



ECONOMY ♦ EXCELLENCE ♦ ETHICS

**AB+**

**BACTERIAL  
RESISTANCE  
MAKES ALL  
THE DIFFERENCE.**



**UNBELIEVABLE SURFACES**  
*by Merino*

## **Disclaimer**

“ For Visual representation only.  
Design Range & Finishes are subject  
to change without prior notice.  
Actual Design & Color may vary  
when viewed in digital format.  
Please contact your nearest Merino  
Dealer / Merino Team for order  
fulfilment”

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◆ [About AB+](#)



◆ [Composition / Features](#)



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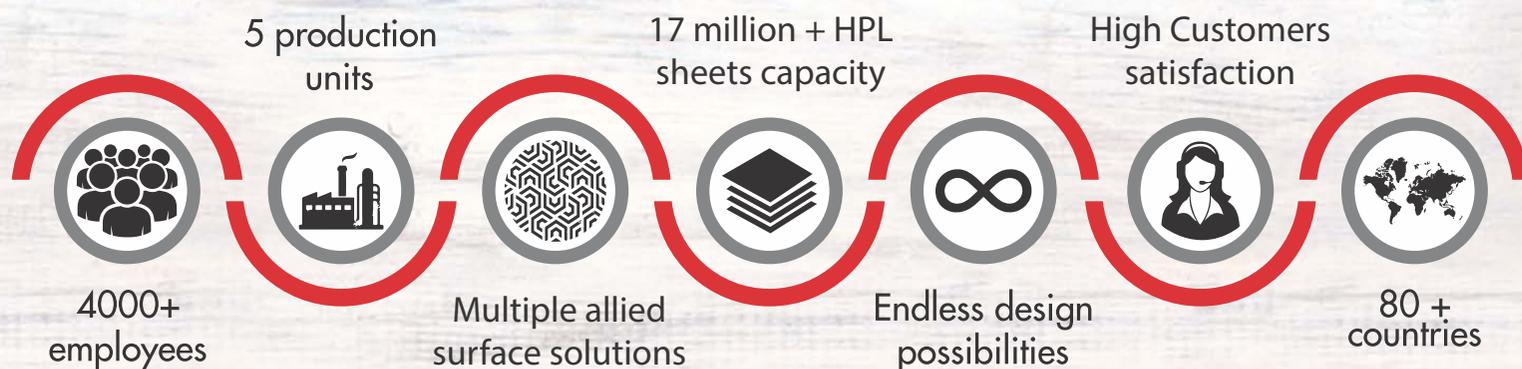




ECONOMY ♦ EXCELLENCE ♦ ETHICS

## ABOUT MERINO

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



## CERTIFICATIONS



ISO 14001:2004  
OHSAS 18001:2007  
ISO 9001:2008



"IGBC - MP - 081076"

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## AB+ Hygiene makes the difference.

Anti-bacterial laminates are designed to adorn surfaces that require supreme hygiene and performance. Usage of special additives inhibits growth and spread of bacteria by 99.99% within 24 hours. The surface not only fight against microbes but is also homogeneous and non-porous, making it exceptional in performance and in hygiene.

“Additional sanitization can be done with a soap/detergent solution for 30 sec or by applying any alcohol-based sanitizer having concentration >75%. Fully dry the surface by wiping off with a clean soft cloth.”

## Un-INFECTED COMPOSITION

**TOP LAYER**  
An additive is used on the top layer of Decor paper treated with Melamine Formaldehyde resin to boost its antimicrobial properties which makes the product all the more hygienic.

**CORE LAYER**  
A core that is impregnated with Phenol Formaldehyde Resin



## Un -INFECTED FEATURES



ANTI-BACTERIAL



ANTI-FUNGAL



SANITIZABLE



DECORATIVE



SCRATCH RESISTANT



IMPACT RESISTANT



TERMITE RESISTANT



HYGIENIC

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AB<sup>+</sup>

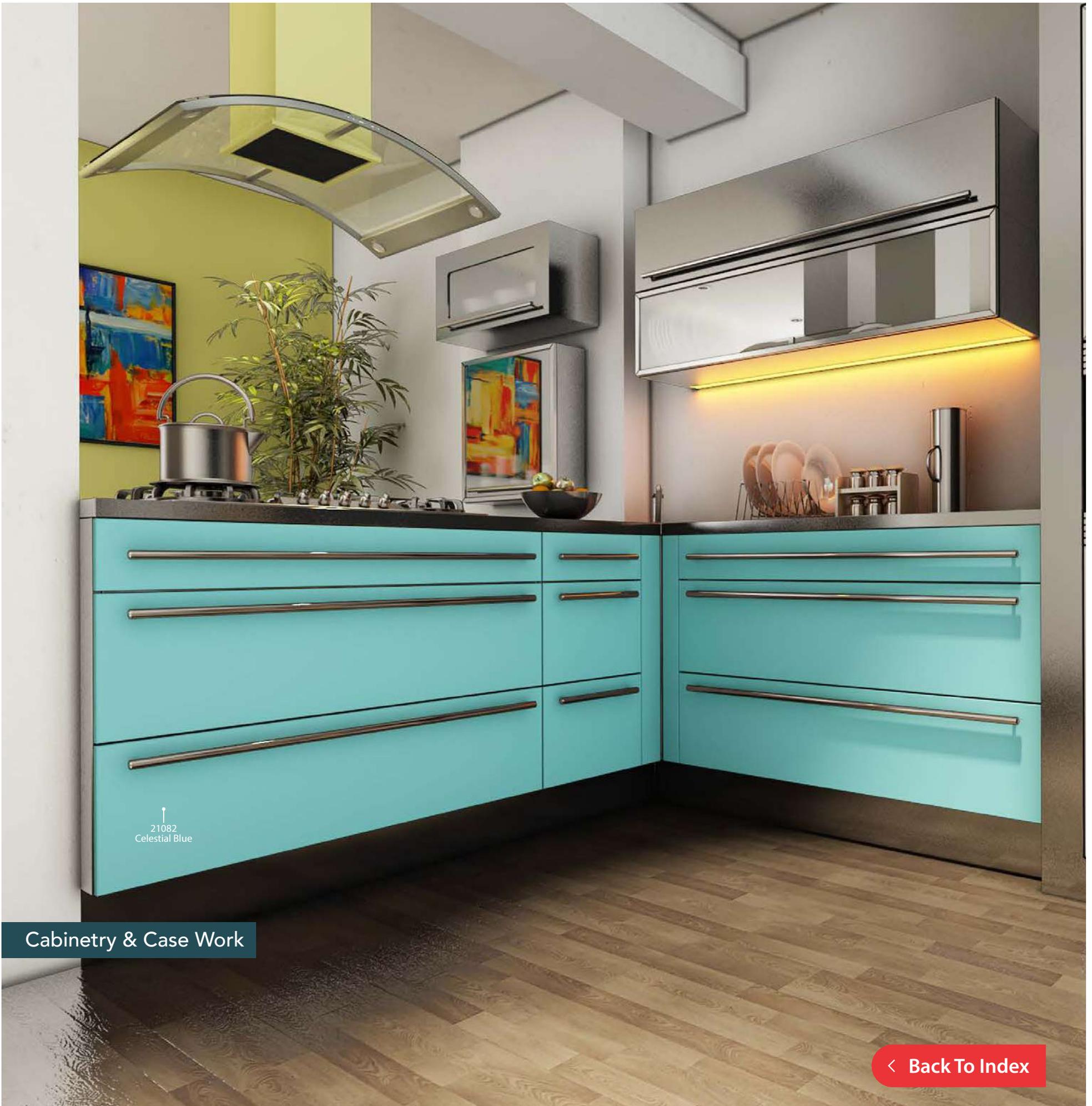
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10510  
Magas Walnut Bronze

Tabletops

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21082  
Celestial Blue

Cabinetry & Case Work

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## ***Un*-INFECTED SECTORS**

Merino Anti-bacterial laminate is best suited for application where surfaces need to be protected against bacteria. In order to avoid bacterial infections these laminates are perfect for sectors like – R&D/ pathological labs, hospitals and healthcare, public catering, premium residential, offices and schools.

24087  
Mysore Ivory

R&D/Pathological Labs

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Premium Residential

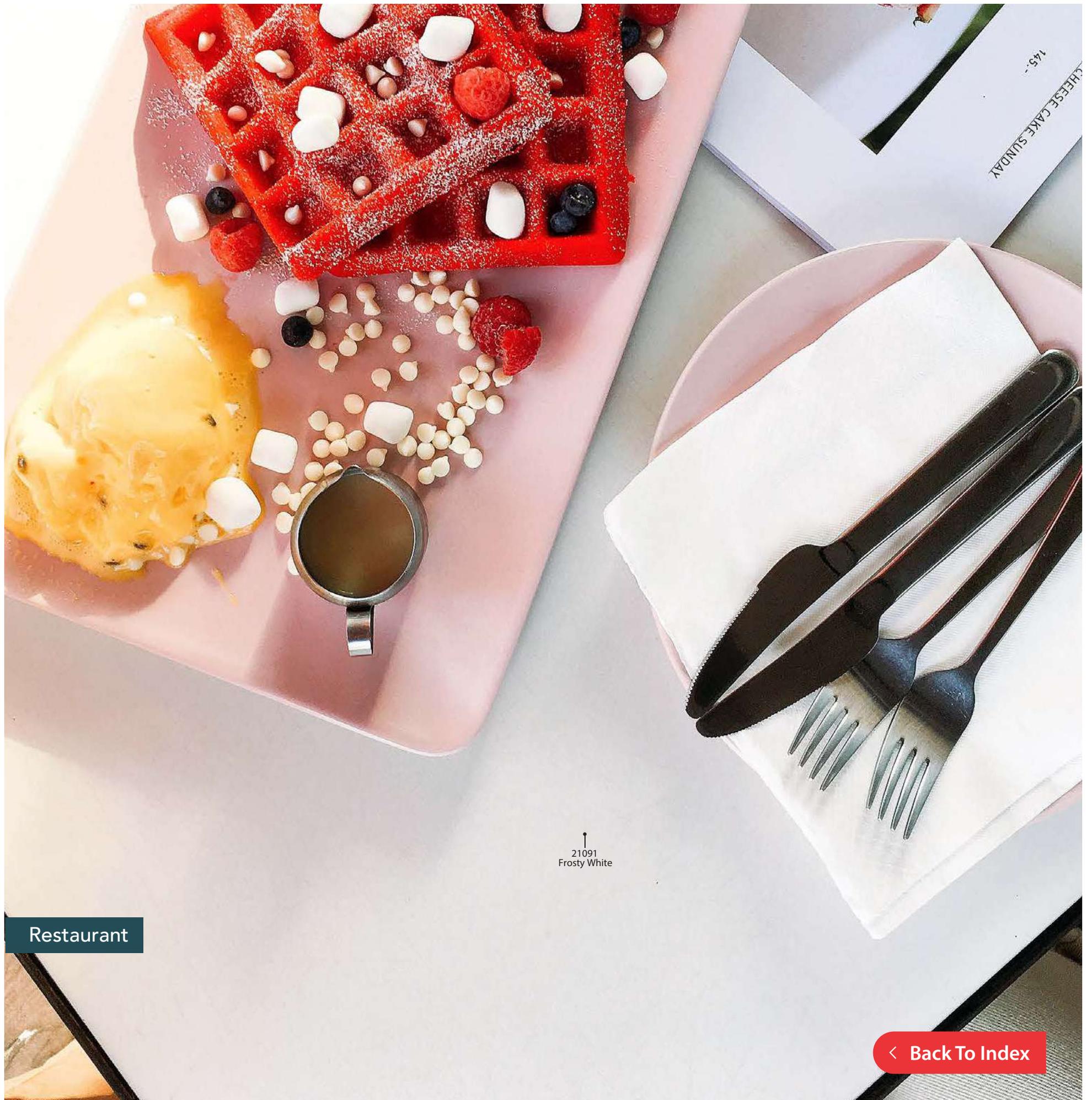


Hospitals and Healthcare



Public Catering

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CHEESE CAKE SUNDAY  
\$4.50

21091  
Frosty White

Restaurant

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"Image shown are for reference. Actual product may vary"

## AVAILABILITY MATRIX

Product	Thickness	Sizes	Finishes	Designs
AB+	0.7 mm & above	Mentioned in below Finish and size matrix	Mentioned in below Finish and size matrix	Our complete design range

## FINISH AND SIZE MATRIX

Merino Finishes	Available Sizes (mm) width X length									
	1220 x 2440 (4 X 8 feet)	1220 x 3050 (4 X 10 feet)	1300 x 2440 (4.3 X 8 feet)	1300x 2800 (4.3 X 9)	1300 x 3050 (4.3 X 10 feet)	1550 x 2440 (5 X 8 feet)	1550 x 3660 (5 X 12 feet)	1550 x 4300 (5 X 14 feet)	Compact Only 1830 x 3660 (6 X 12 feet)	1830 x 4300 (6 X 14 feet)
Cement	Y	-	-	-	-	Y	Y	-	-	-
Classic Leather	Y	Y	-	-	-	-	-	-	-	-
Crossfire	Y	Y	-	-	-	-	-	-	-	-
Crystal	-	-	-	-	-	-	Y	-	-	-
Drizzle	Y	-	-	-	-	-	-	-	-	-
Fabric	Y	-	-	-	-	-	-	-	-	-
Flicker	Y	Y	-	-	-	-	-	-	-	-
Galactic	Y	-	-	-	Y	-	Y	-	-	-
Grains	Y	-	-	-	-	-	-	-	-	-
Hi-Gloss	Y	Y	-	Y	Y	Y	Y	-	-	-
Impression	Y	-	-	-	-	-	-	-	-	-
Linen	Y	-	-	-	-	-	-	-	-	-
Matt	Y	Y	Y	Y	Y	-	-	Y	-	-
Opal	Y	-	-	-	Y	Y	Y	-	-	-
Sandstone	-	-	-	-	Y	-	Y	-	-	-
Streak	Y	-	-	-	-	-	-	-	-	-
Suede	Y	Y	Y	-	Y	Y	Y	-	Y	Y
Valley	Y	-	-	-	-	-	-	-	-	-
Veneer	Y	-	-	-	-	-	-	-	-	-
Wave	Y	-	-	-	-	-	Y	-	-	-
Xt-Matt	Y	-	-	-	-	-	-	-	-	-

\*Door Size  
 915 x 2135 (mm) width X length also available in Suede Finish  
 980 x 2180 (mm) width X length also available in Matt Finish

## Test Values of Merino Anti-bacterial (AB+) Laminate as per (EN438-3)

Properties	Test Method as per EN 438-2 Clause No.	Property or attribute	Unit (max or min)	Values as per EN 438-3	Merino Value
Thickness Maximum Variation	5		mm	±0.10mm	±0.10mm
Length & Width	6		mm	+10mm -0.0mm	+10mm -0.0mm
Density	EN ISO 1183	Density	g/cm <sup>3</sup>	≥1.35	>1.35
Resistance to Surface wear	10	Wear Resistance	Revolution (min)	≥350	>400
Resistance to Impact by Small diameter Ball	20	Spring Force	N(min)	≥20	>20
Resistance to Scratching	25	Force	Rating (see annex a)	3	≥3
Dimensional stability at elevated temperature	17	Cumulative dimensional change	% long % Cross	≤ 0.55 ≤ 1.05	<0.45 < 0.90
Resistance to immersion in boiling water	12	Appearance	Grade (min) Gloss Finish Other finishes	3 4	>3 >4
Resistance to dry Heat at 180°C	16	Appearance	Grade (min) Gloss Finish Other finishes	3 4	>3 >4
Resistance to Staining	26	Appearance	Rating Group-1&2 Group-3	≥5 ≥4	5 ≥4
Resistance to water vapor	14	Appearance	Grade (min) Gloss Finish Other finishes	3 4	>3 >4
Light Fastness (Xenon arc)	27	Contrast	Gray Scale Rating	4 to 5	>4
Resistance to cigarette burn	30	Appearance	Grade (min)	3	>3
Resistance to Cracking under stress	23	Appearance	Grade (min)	4	>4

## SGS TEST REPORT

TESTS	PROTOCOL	RESULT
<b>Enterococcus faecalis (ATCC-29212)</b> (2.4 X 10 <sup>7</sup> cfu/m1)	SGS/SOP/MICRO/BT/043	L.R.-99.99% (C.T.- 24hrs)
<b>S.Aureus (ATCC-65388)</b> (4.8 X 10 <sup>6</sup> cfu/m1)	SGS/SOP/MICRO/BT/043	L.R.-99.99% (C.T.- 24hrs)
<b>P.aeruginosa (ATCC-15442)</b> (7.1 X 10 <sup>7</sup> cfu/m1)	SGS/SOP/MICRO/B[17043	L.R.-99.99% (C.T.- 24hrs)
<b>E.coli (MTCC-443)</b> (7.9 X 10 <sup>7</sup> cfu/m1)	SGS/SOP/MICRO/BT/043	L.R.-99.99% (C.T.- 24hrs)

TESTS	PROTOCOL	RESULT
<b>Salmonella typhae (MTCC-733)</b> (6.8 X 10 <sup>6</sup> cfu/ml)	SGS/SOP/MICRO/BT/043	L.R.-99.99% (C.T.- 24hrs)
<b>Listeria monocytogens (ATCC-13932)</b> (3.6 X 10 <sup>6</sup> cfu/m1)	SGS/SOP/MICRO/BT/043	L.R.-99.99% (C.T.- 24hrs)
<b>Candida albicans (MTCC-227)</b> (2.4 X 10 <sup>6</sup> cfu/m1)	SGS/SOP/MICRO/BT/043	L.R.-99.99% (C.T.- 24hrs)
L.R.= Log Reduction C.T.= Contact Time		

### Limited warranty

Merino Industries Limited & Merino Panel Product Ltd. warrant that, under normal use & service, the material & workmanship of their products shall confirm to the standards set forth on the applicable technical data sheet for a period of twelve (12) months from the date of sale to the first consumer purchaser. Dealers & distributors are provided with the technical data sheets, which contain specific standards of performance of the product. In the event that a Merino Industries Limited or a Merino Panel Product Limited product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use the product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of Merino Industries Limited and Merino Panel Product Limited has the authority to modify the obligation or limitation of this warranty.

## **MERINO INDUSTRIES LTD.**

**INDIA: P:** +91 11 45557000 **E:** merinodelhi@merinoindia.com

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**THAILAND: P:** +66 20412188 **E:** merinothailand@merinoindia.com

**UAE: E:** merinouae@merinoindia.com

[www.merinolaminates.com](http://www.merinolaminates.com)



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A top-down view of a laboratory bench with various glassware and a small potted plant. In the top left, a round-bottom flask contains blue liquid. Next to it is a small green succulent in a white pot. In the middle left, a round-bottom flask contains red liquid with a glass rod. In the bottom left, a large Erlenmeyer flask contains green liquid, with a glass rod being used to stir it. In the bottom right, a beaker contains blue liquid. The background is a light-colored wooden surface.

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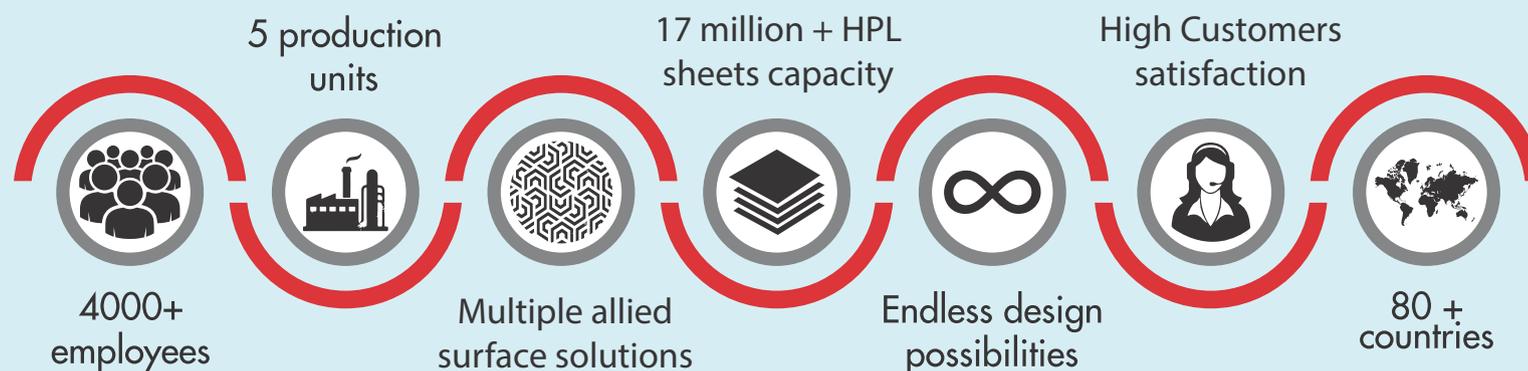
◆ [Warranty](#) >



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## ABOUT MERINO

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## CERTIFICATIONS



"IGBC - MP - 081076"

ISO 14001:2004  
OHSAS 18001:2007  
ISO 9001:2008

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# THE *Un*-TARNISHED CHEMICAL RESISTANT (CHEM+)

Chemical resistant laminates.

Chem+ is a specially manufactured laminate which is treated with Electron Beam to withstand harsh chemicals like acids, alkalis and reagents. The superior resistance to chemicals makes it durable and suitable to be used in disposable areas in laboratories. Its outstanding quality and appearance give you the freedom to furnish creatively.

27081  
White

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27081  
White

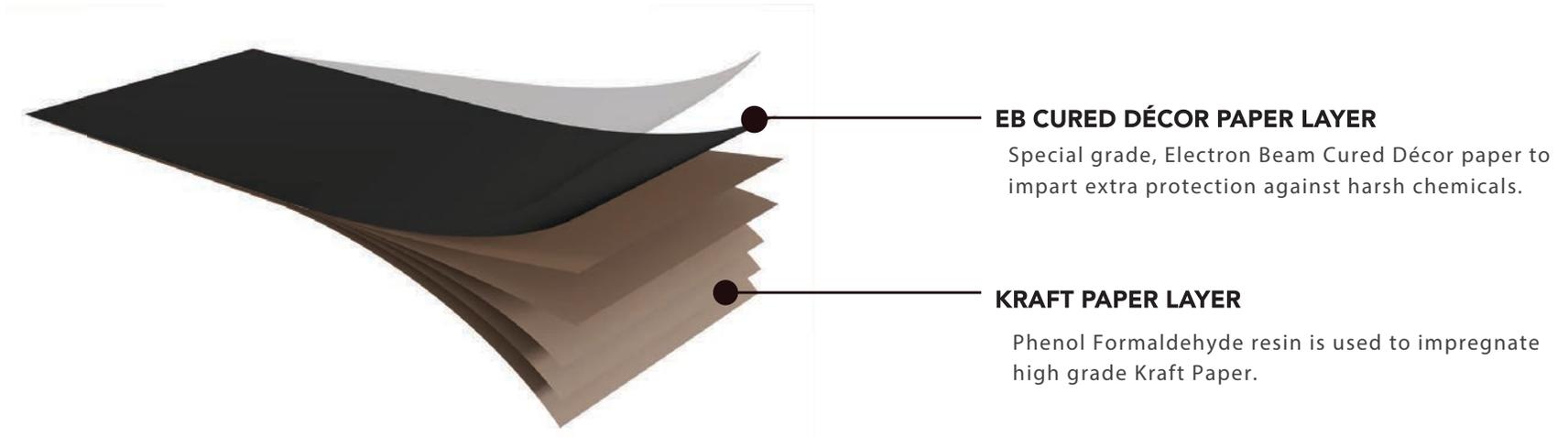
**HIGHLY  
CHEMICAL  
RESISTANT**



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\*Image shown are for reference, actual product may vary.

## Un-TARNISHED COMPOSITION



## Un-TARNISHED FEATURES



CHEMICAL  
RESISTANT



SCRATCH  
RESISTANT



STAIN  
RESISTANT



DURABLE

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# Un-TARNISHED APPLICATION

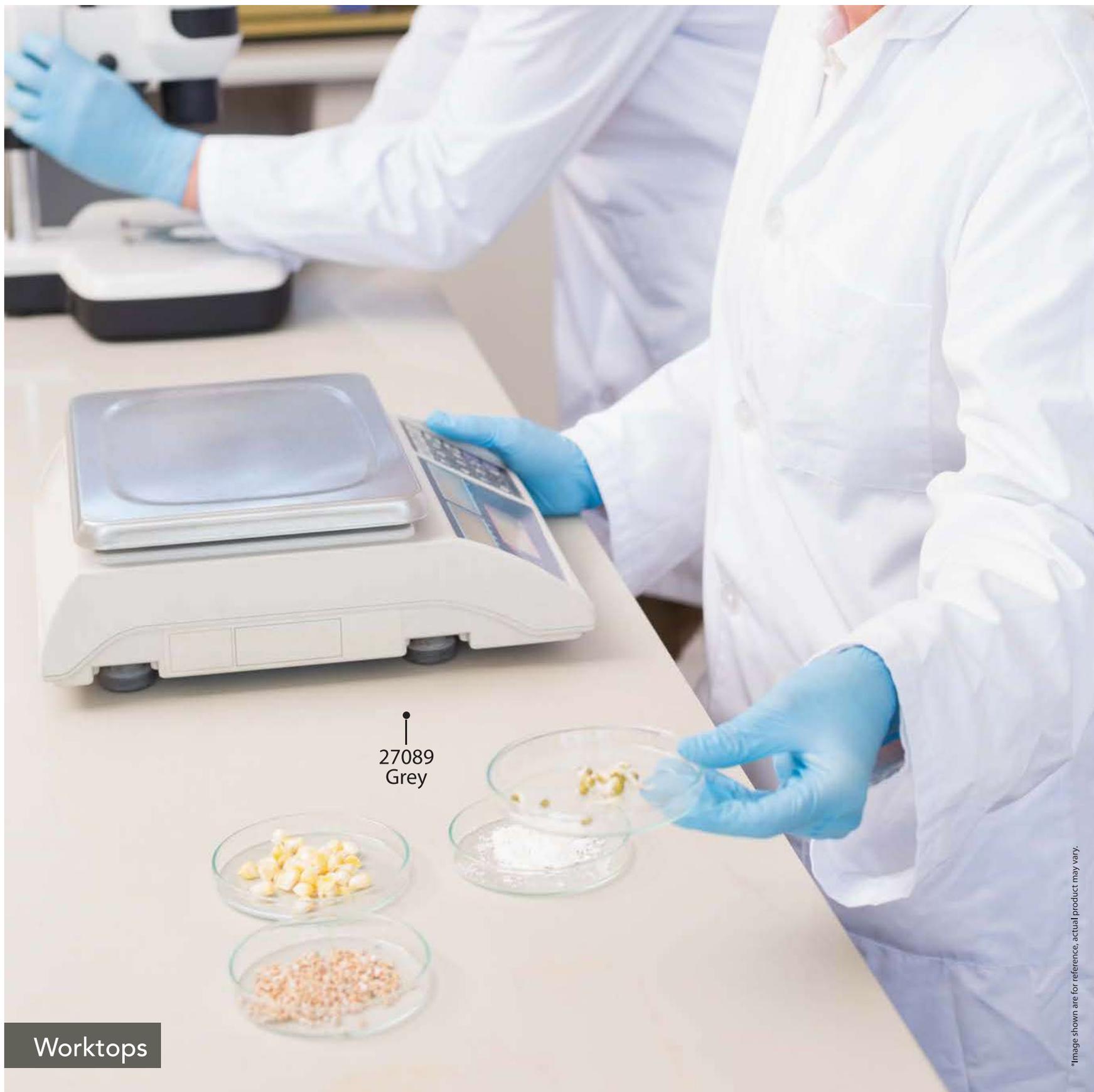
For both horizontal and vertical surfaces.

R&D/Pathological Labs

27081  
White

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Image shown are for reference, actual product may vary.



27089  
Grey

Worktops

\*Image shown are for reference, actual product may vary.

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27079  
Grey

27081  
White

Premium Residential

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Image shown are for reference, actual product may vary.



Chemistry Lab

27089  
Grey

\*Image shown are for reference, actual product may vary.

## ***Un*-TARNISHED SECTORS**

Chem+ is one of a kind laminates range which is high on economic value and can be used in disposable areas in laboratories without compromising on aesthetic appeal.

It is an apt choice for sectors like – R&D/pathological labs, hospitals and healthcare, public catering, premium residential, offices and schools.

Restaurant

27089  
Grey

\*Image shown are for reference, actual product may vary.

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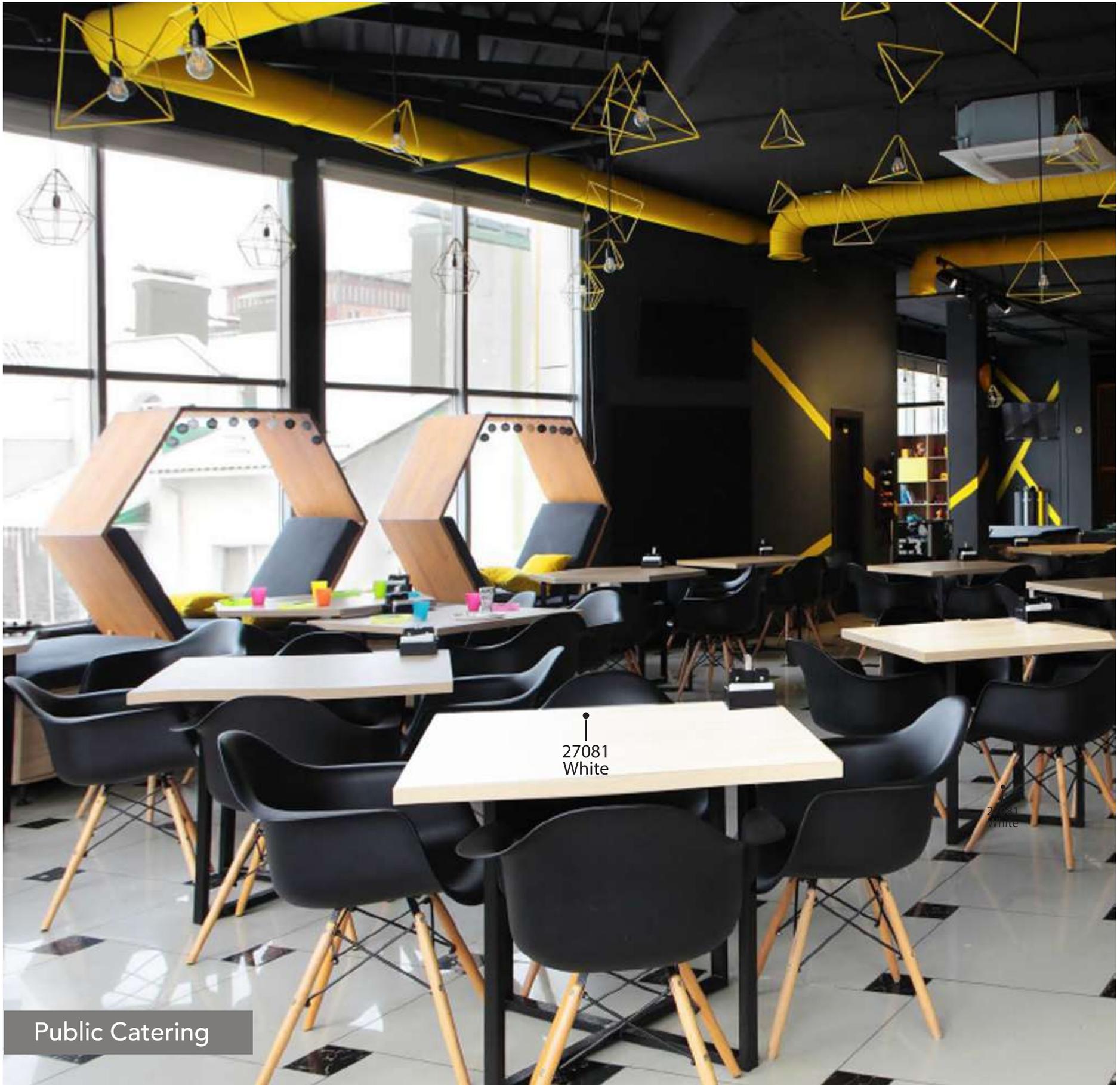
27081  
White

27089  
Grey

Hospitals and Healthcare

\*Image shown are for reference, actual product may vary.

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Public Catering



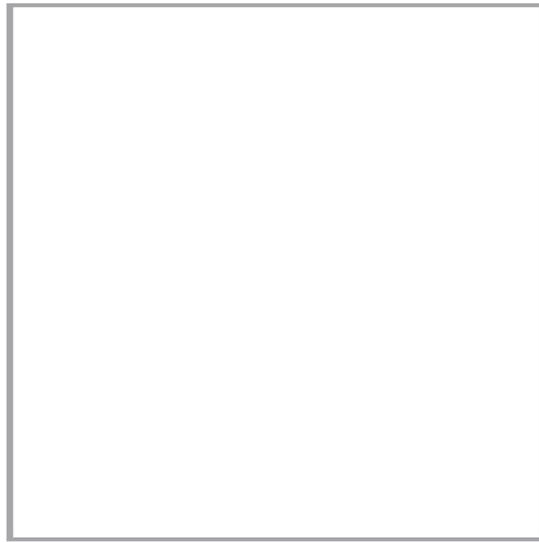
Schools

27066  
Black

\*Image shown are for reference, actual product may vary.



## Un-TARNISHED RANGE



27081 White



27089 Grey



27066 Black

Product	Thickness	Sizes in feet	Finish	Designs
Chem+	0.8 mm & above	4x8 and 4x10	Chempearl	3 Designs

### List of Chemicals: Merino Chem+ Lab grade Laminate is Resistance to:

- 1- **A) ACIDS:** 1. Glacial Acetic Acid-99% 2. Formic Acid-85% 3. Hydrochloric Acid-36% 4. Nitric Acid-65% 5. Sulfuric Acid-96% 6. Citric Acid-10%
- B) ALKALIS:** 1. Glacial Acetic Acid 2. Formic Acid-85% 3. Hydrochloric Acid-36% 4. Nitric Acid-65% 5. Sulfuric Acid-96% 6. Citric Acid-10%
- C) GENERAL REAGENT:** 1. Sodium Hypochlorite-5% 2. Hydrogen Peroxide-3% 3. Sucrose-50% 4. Mineral Oil 5. Vegetable Oil 6. Ethylene Glycol 7. Benedics solution 8. Trisodium Phosphate
- D) SOLVENT:** 1. Acetone 2. Benzene 3. Carbon tetrachloride 4. Ethyl Acetate 5. Ethyl Methyl Ketene 6. Toluene 7. Xylene
- E) HOSPITAL & HEALTH CARE:** 1. Amyl Alcohol 2. Aniline Blue 3. Chloroform 4. Ethyl Alcohol 5. Iodine Tincture 6. Isopropyl Alcohol 7. Tincture Benzene compound 8. Zinc Oxide 9. PVP Iodine Swab
- F) HOUSE HOLD PRODUCTS:** 1. Ceramic Cook top cleaner 2. Cook top cleaning cream 3. Chlorine Bleaches 4. Coffee pot cleaners 5. Hair coloring 6. Nail Polishes 7. Shoe Polishes 8. Lime Removes 9. Metal cleaners 10. Stain Remover 11. Rust Remover 12. Oven Cleaners 13. Toilet Bowl cleaners 14. Sani-flush 15. Pencil 16. Wax Crayon 17. Yellow Mustard
- 2) **Anti-Bacterial (Hygienic) Merino Chem+ Lab Grade Laminate is Free from Porosity which makes the product anti-bacterial in nature.**
- 3) **Durability-Merino Chem+Lab Grade Laminate provide a highly durable surface and has better Abrasion & Scratch resistance.**

Chemical Spot Test as per SEFA 3-2010 from CATAS Italy for 1mm & 16mm CHEM+ is also available.

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## Test Values of Merino Chem+ Grade Laminate as per (EN438-3)

Properties	Test Method as per EN 438-2 Clause No.	Property or attribute	Unit (max or min)	Values as per EN 438-3	Merino Value
Thickness Maximum Variation	5		mm	±0.10mm	±0.10mm
Length & Width	6		mm	+10mm -0.0mm	+10mm -0.0mm
Density	EN ISO 1183	Density	g/cm <sup>3</sup>	≥1.35	>1.35
Resistance to Surface wear	10	Wear Resistance	Revolution (min)	≥350	>500
Resistance to Impact by Small diameter Ball	20	Spring Force	N(min)	≥20	>20
Resistance to Scratching	25	Force	Rating (see annex a)	3	≥3
Dimensional stability at elevated temperature	17	Cumulative dimensional change	% long % Cross	≤ 0.55 ≤ 1.05	<0.45 < 0.90
Resistance to immersion in boiling water	12	Appearance	Grade (min)	4	>4
Resistance to dry Heat at 180°C	16	Appearance	Grade (min)	4	>4
Resistance to Staining	26	Appearance	Rating Group-1&2 Group-3	≥5 ≥4	5 ≥4
Resistance to water vapor	14	Appearance	Grade (min)	4	>4
Light Fastness (Xenon arc)	27	Contrast	Gray Scale Rating	4 to 5	>4
Resistance to cigarette burn	30	Appearance	Grade (min)	3	>3
Resistance to Cracking under stress (optional)	23	Appearance	Grade (min)	4	>4

### Limited warranty

Merino Industries Limited & Merino Panel Product Ltd. warrant that, under normal use & service, the material & workmanship of their products shall conform to the standards set forth on the applicable technical data sheet for limited life time warranty from the date of sale to the first consumer purchaser. Dealers & distributors are provided with the technical data sheets, which contain specific standards of performance of the product. In the event that a Merino Industries Limited or a Merino Panel Product Limited product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use the product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of Merino Industries Limited and Merino Panel Product Limited has the authority to modify the obligation or limitation of this warranty.

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**ESD+**

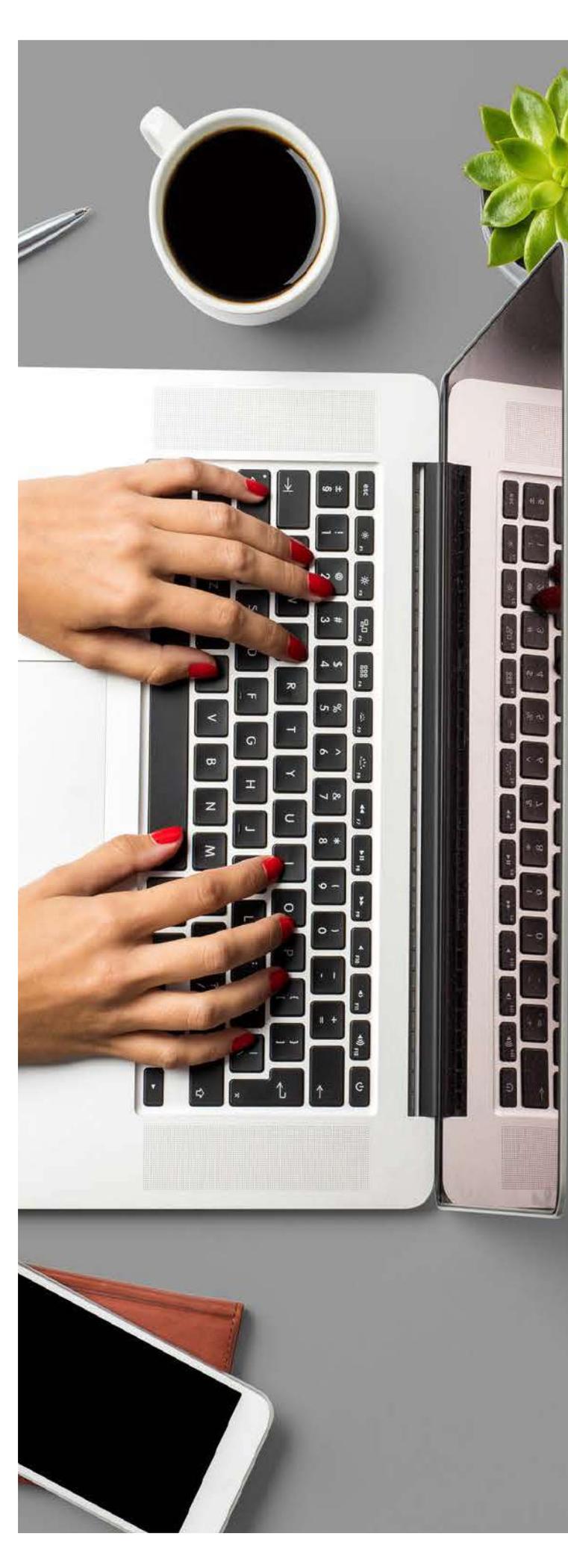
NO STATIC  
CHARGE  
MAKES ALL  
THE DIFFERENCE.

**UNBELIEVABLE SURFACES**  
*by Merino*



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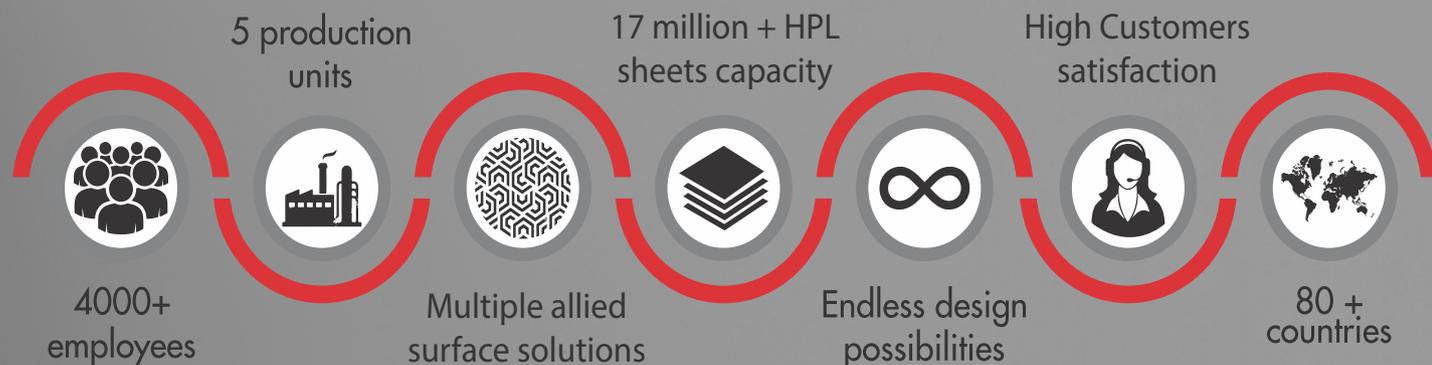
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## CERTIFICATIONS



ISO 14001:2004  
OHSAS 18001:2007  
ISO 9001:2008



"IGBC - MP - 081076"

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# THE *Un*-RESISTIBLE ELECTROSTATIC DISSIPATIVE (ESD+)

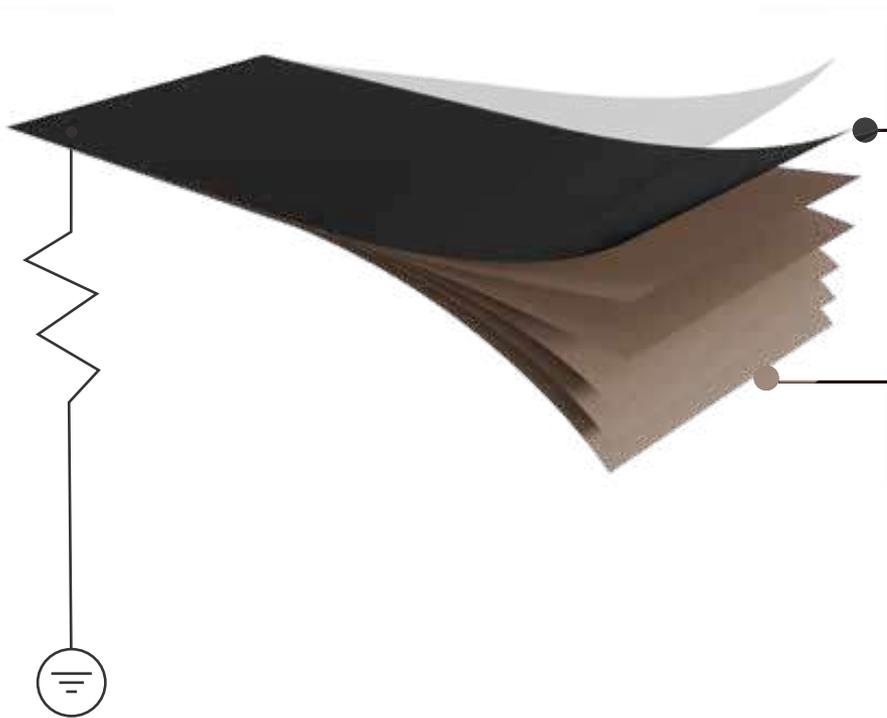
ESD+ range of laminates has been developed with a purpose to dissipate charge & repel dust particles. Its top layer has static charge dissipative properties incredibly higher than products available in the market till now. The special conductive layer guarantees safe discharge of static charges when used with appropriate earthing. This helps by reducing damage to delicate internal circuits & increasing productivity of electrical gadgets around 30%.

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# ELECTROSTATIC DISSIPATIVE



## Un-RESISTIBLE COMPOSITION



### DÉCOR PAPER WITH ESD CONTROL LAYER

Décor Paper impregnated Melamine Formaldehyde resin and an ESD control layer ensure that any accumulated charge is dissipated in a controlled manner without damaging equipment

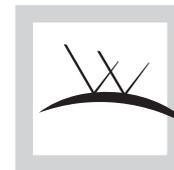
### KRAFT PAPER

Kraft Paper that has been impregnated with special Phenol Formaldehyde resin ensuring adequate backing strength for the laminate.

## Un-RESISTIBLE FEATURES



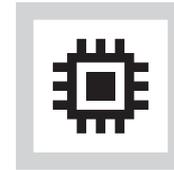
**ELECTROSTATIC  
DISSIPATIVE**



**DUST  
REPELLENT**



**SAFE FOR WORK**  
(Reduced discomfort,  
risks of shock, sparks & even fire)



**REDUCED DAMAGE TO  
INTERNAL CIRCUITS**

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# *Un*-RESISTIBLE APPLICATION

For both vertical and horizontal application.



Countertop

11005  
Neo Highland  
Pine

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Image shown are for reference. Actual product may vary.



21141  
Snow White

Tabletops

\*Image shown are for reference. Actual product may vary\*

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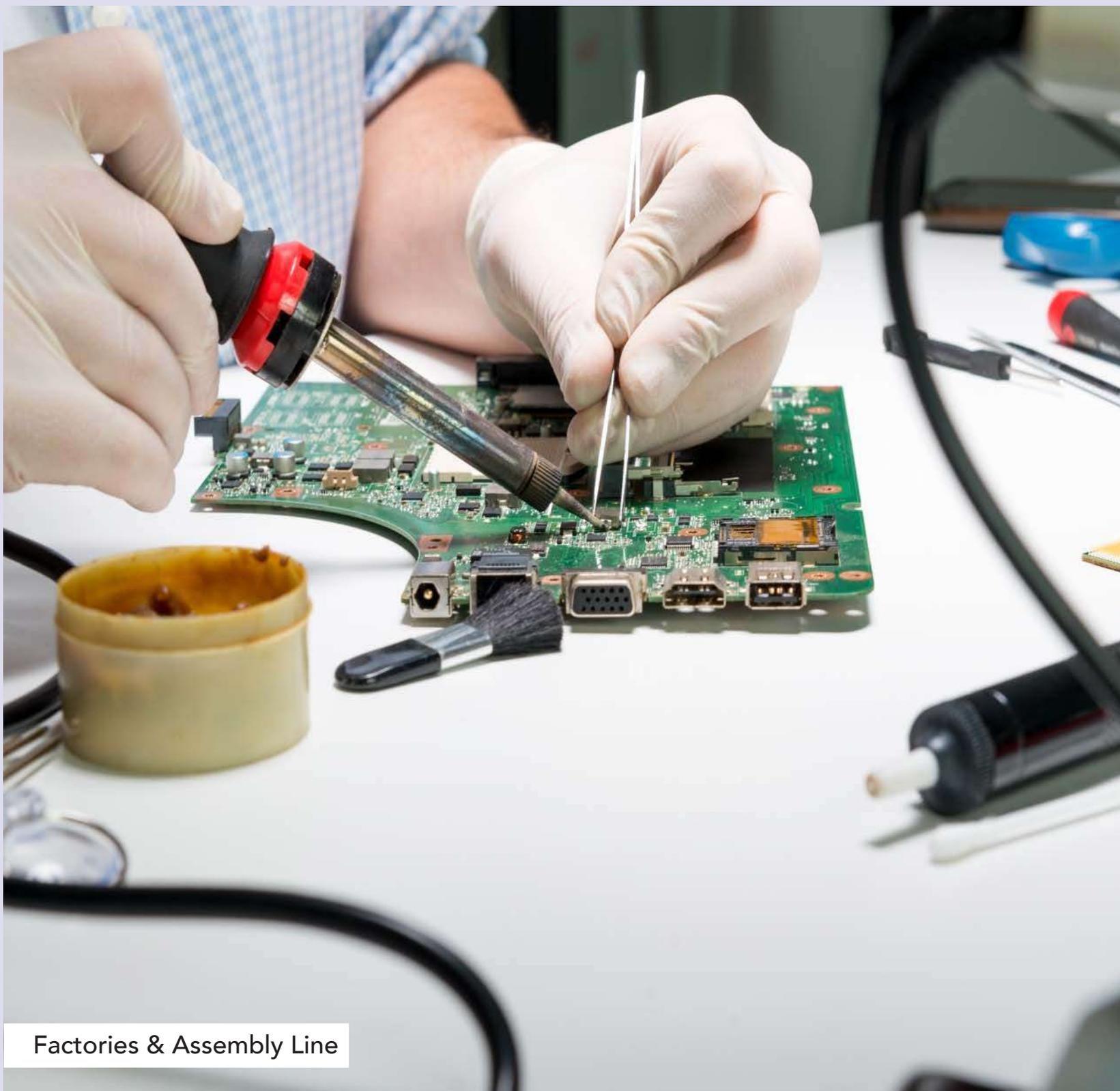
## Un-RESISTIBLE SECTORS

ESD+ is a unique laminates range that is engineered with electrostatic dissipative properties that makes it repellent to dust particles. Hence, it can be used in sectors like – electronics manufacturing and repair, laboratories, IT offices, factories and assembly line, server rooms & data centres and cleanrooms.

Laboratories

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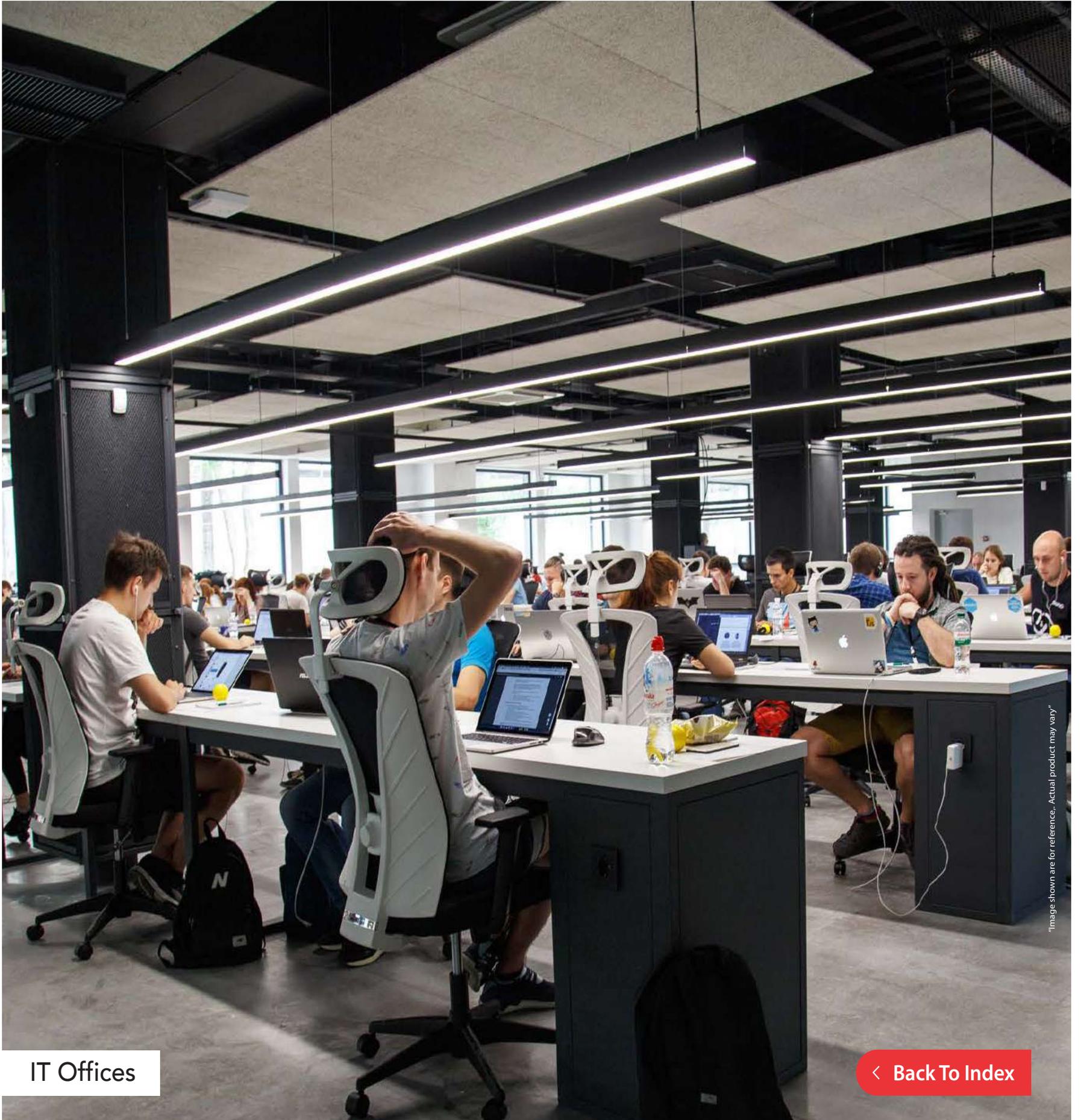
Image shown are for reference. Actual product may vary.



Factories & Assembly Line

\*Image shown are for reference. Actual product may vary\*

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"Image shown are for reference. Actual product may vary"

IT Offices

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Data Centres

21141  
Snow White

\*Image shown are for reference. Actual product may vary

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Electronics Manufacturing & Repair

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# ESD Grounding Procedure

The recommended installation for the best performance with ESD+ laminates involves using a screw insert that sits flush with the surface of the laminate. This screw is attached on the underside of the laminate using a nut with a terminal. To this terminal two wires are attached, one connecting to the common ground outlet, while the other provides the connection to the banana plug socket on the frontside.

A protruding ring made of brass is in contact with the conductive layer of the laminate.

A high-quality lock-washer is used to give the screw a snug sit, preventing it from vibrating loose.

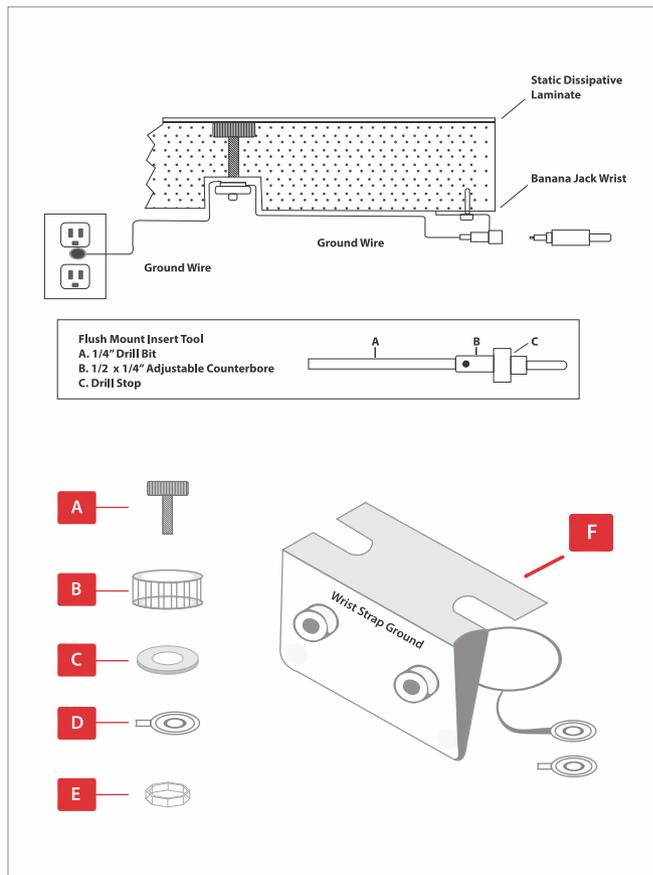


Fig. 1 Installation Process-1

Key (Fig. 1):

- A: Flat Head Cap Screw
- B: Brass Insert
- C: Washer
- D: Terminal ring
- E: Nut
- F: Dual banana jack terminals

## Alternative method used In India:

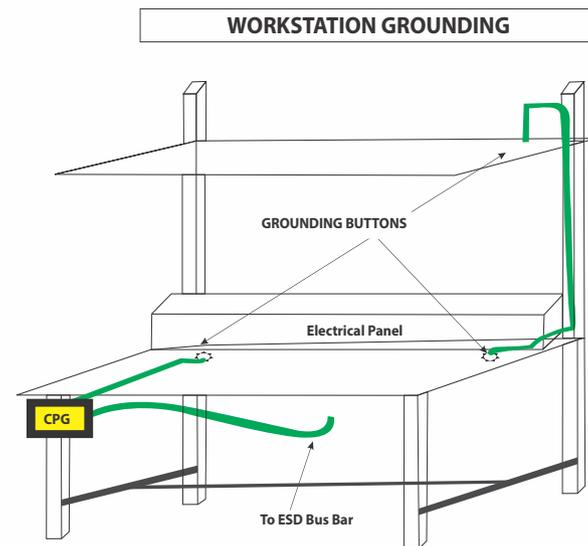
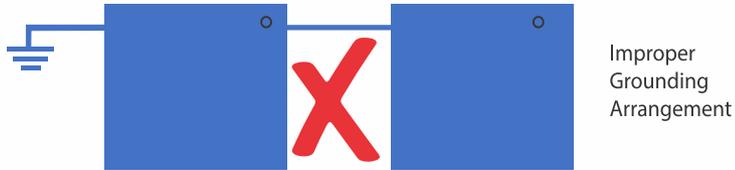


Fig. 2 Installation Process-2

Generally, the pin which is put on the table, will have male shape top and grounding wire will have one cap having female groove in one end and other end will have crocodile pin which will connect to earthing point.

This female cap will just fit with the inserted pin head and will get the connection with the earthing point.

## Grounding arrangement:



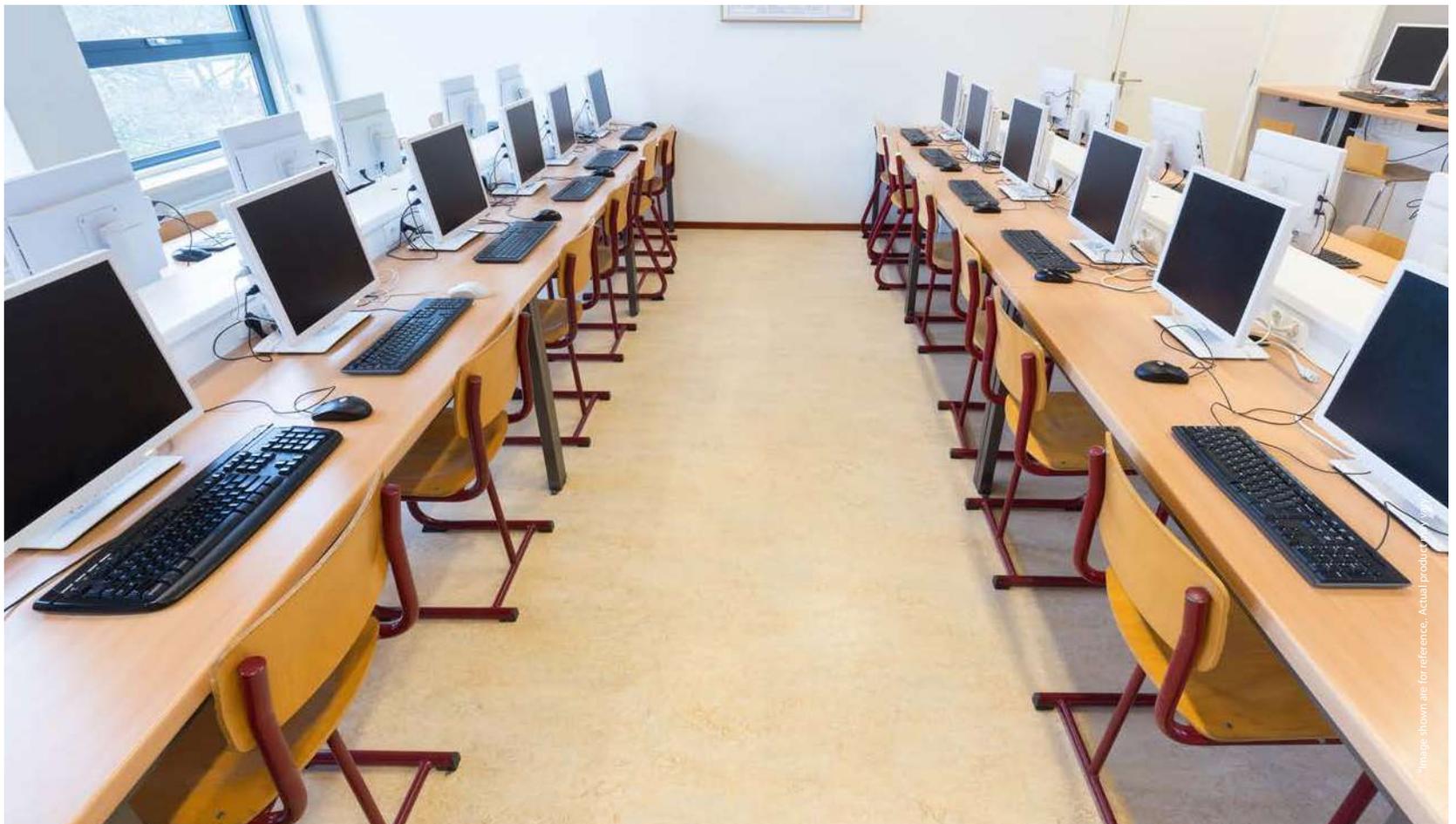
Improper  
Grounding  
Arrangement



Proper  
Grounding  
Arrangement

## Care and Maintenance:

1. No film or residue should be left on ESD laminate's top surface as it will reduce laminate's dissipative properties.
2. To clean the surface, use a damp cloth or sponge and a mild soap or detergent.
3. Stains belonging to group 2 such as coffee or tea can be removed using a mild household cleaner/detergent and a soft bristle brush
4. Cleaners containing abrasives or strong acids or alkalines should be avoided.



## TEST VALUES OF MERINO ESD GRADE LAMINATE AS PER (EN438-3)

Properties	Test Method as per EN 438-2	Property or attribute	Unit (max or min)	Values as per EN 438-3	Merino Value
Thickness Maximum Variation	5		mm	±0.10mm	< 0.10mm
Length & Width	6		mm	+10mm -0.0mm	+10mm -0.0mm
Density	EN ISO 1183	Density	g/cm <sup>3</sup>	≥1.35	>1.35
Resistance to Surface wear	10	Wear Resistance	Revolution (min)	≥350	>400
Resistance to Impact by Small diameter Ball	20	Spring Force	N(min)	≥20	>20
Resistance to Scratching	25	Force	Rating (see annex a)	3	≥3
Dimensional stability at elevated temperature	17	Cumulative dimensional change	% long	≤ 0.55	<0.45
			% Cross	≤ 1.05	< 0.90
Resistance to immersion in boiling water	12	Appearance	Grade (min)	3	>3
			Gloss Finish Other finish	4	>4
Resistance to dry Heat at 180°C	16	Appearance	Grade (min)	3	>3
			Gloss Finish Other finish	4	>4
Resistance to Staining	26	Appearance	Rating		
			Group-1&2 Group-3	≥5 ≥4	5 ≥4
Resistance to water vapour	14	Appearance	Grade (min)	3	>3
			Gloss Finish Other finish	4	>4
Resistance to cigarette burn	30	Appearance	Grade (min)	3	>3
Light Fastness (Xenon arc)	27	Contrast	Gray Scale Rating	4 to 5	>4
Resistance to Cracking under stress (optional)	23	Appearance	Grade (min)	4	>4
ESD Properties At 50 % RH	IEC61340 & ESD S-4.1	Surface Resistance	Max ohm	<1.0x10 <sup>9</sup> ohm	<1.0x10 <sup>8</sup> ohm
		Surface to Ground Resistance		<1.0x10 <sup>9</sup> ohm	<1.0x10 <sup>8</sup> ohm

# DESIGN RANGE



10016  
Precious Beech



10002  
Mangfall Beech



10175  
Asian Maple



10510  
Magas Walnut Bronze



10019  
Sapelle



11005  
Neo Highland Pine



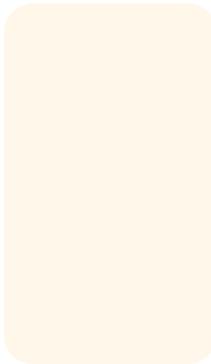
21081  
White Lily



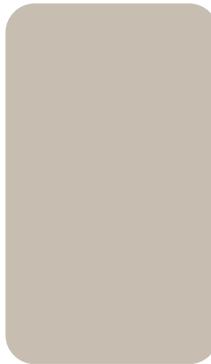
21141  
Snow White



21087  
Almond



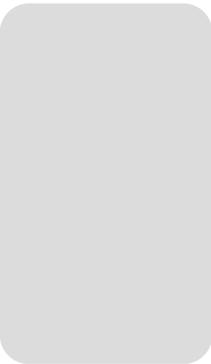
21187  
Champagne



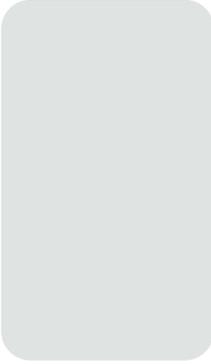
21027  
Irish Cream



21032  
Ink



21019  
Folkstone Grey



21069  
Silver Grey



21369  
Pebble Grey



21066  
Black

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# AVAILABILITY MATRIX

Product	Thickness	Sizes in feet	Finishes	Designs
ESD+ Standard	1 mm	4 x 8, 4 x 10, 4.3 x 8, 4.3 x 10,	Suede	Below 6 designs* with 2 sheets MOQ.
ESD+ Flex	0.7 mm & above	5 x 8, 5 x 12, 6 x 1 2, 6 x 14	Suede	All other designs with 50 sheets MOQ

# FINISH AND SIZE MATRIX

Design No.	Design Name	Finish	Available Sizes (mm) width X length							
			1220 x 2440 (4 X 8 feet)	1220 x 3050 (4 X 10 feet)	1300 x 2440 (4.3 X 8 feet)	1300 x 3050 (4.3 X 10 feet)	1550 x 2440 (5 X 8 feet)	1550 x 3660 (5 X 12 feet)	Compact Only 1830 x 3660 (6 X 12 feet)	1830 x 4300 (6 X 14 feet)
10002	Mangfall Beech	Suede	Y	Y	-	-	Y	Y	Y	Y
10016*	Precious Beech	Suede	Y	Y	-	-	-	-	-	-
10019	Sapelle	Suede	Y	Y	-	-	Y	Y	Y	Y
10510	Magas Walnut Bronze	Suede	Y	Y	-	-	Y	Y	Y	Y
11005*	Neo Highland Pine	Suede	Y	Y	-	-	Y	Y	Y	Y
21032	Ink	Suede	Y	Y	-	-	Y	Y	Y	Y
21069*	Silver Grey	Suede	Y	Y	Y	Y	Y	Y	Y	Y
21141*	Snow White	Suede	Y	Y	Y	Y	Y	Y	Y	Y
21187*	Champagne	Suede	Y	Y	Y	Y	Y	Y	Y	Y
21369*	Pebble Grey	Suede	Y	Y	-	-	Y	Y	Y	Y
10175	Asian Maple	Suede	Y	Y	-	-	Y	Y	Y	Y
21027	Irish Cream	Suede	Y	Y	Y	Y	Y	Y	Y	Y
21081	White Lily	Suede	Y	Y	Y	Y	Y	Y	Y	Y
21019	Folkstone Grey	Suede	Y	Y	Y	Y	Y	Y	Y	Y
21066	Black	Suede	Y	Y	Y	Y	Y	Y	Y	Y
21087	Almond	Suede	Y	Y	Y	Y	Y	Y	Y	Y

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**UAE: E:** merinouae@merinoindia.com

[www.merinolaminates.com](http://www.merinolaminates.com)



ECONOMY • EXCELLENCE • ETHICS

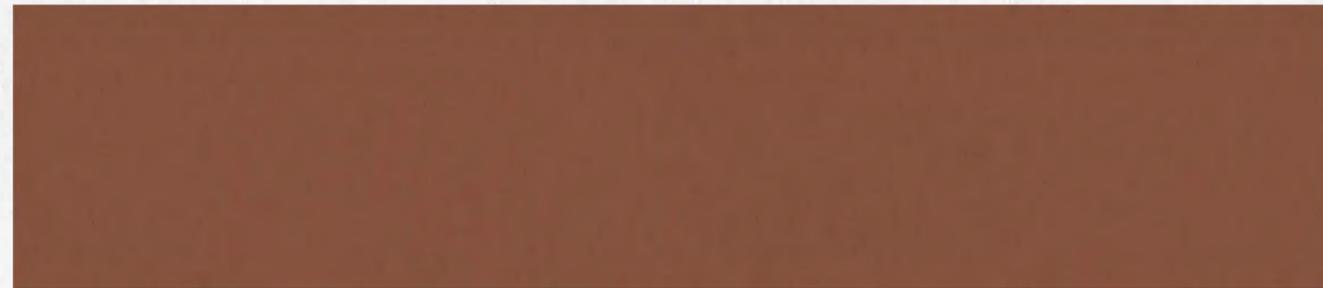


ECONOMY ♦ EXCELLENCE ♦ ETHICS



# MERINO ARMOUR™

EXTERNAL  
CLADDING





# MERINO ARMOUR™

EXTERNAL  
CLADDING

## Disclaimer

“ For Visual representation only.

Design Range & Finishes are subject to change without prior notice. Actual Design & Color may vary when viewed in digital format. Please contact your nearest Merino Dealer / Merino Team for order fulfillment”

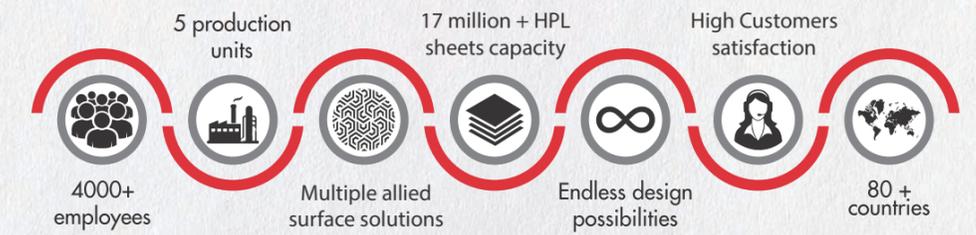
## INDEX

- ◆ About Merino >
- ◆ About EWC >
- ◆ Composition / Features >
- ◆ Applications >
- ◆ Product Range >
- ◆ Installation Schematics >
- ◆ Technical Data >
- ◆ Warranty >



## MERINO GROUP

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



## OUR PHILOSOPHY

Our business is built on the steady pillars of a globally relevant mission, a far-reaching vision and a strong three-pronged motto.

**Vision:** Global competence and global competitiveness in every line of business by synergizing western work culture and Indian ethos.

**Mission:** Universal weal through trade and industry

**Motto:** Economy | Excellence | Ethics

Excellence in Economy is:

Economic, when founded on Work Ethics

Sustainable, when nourished by Moral Ethics.

**Inspiration:** "Arise, awake and stop not till the goal is reached"

– Swami Vivekananda



Credits: Harish Suri, Punjabi Bagh, Delhi

## THE ALL-WEATHER CHAMPION

Whether it is the intense heatwave of Rajasthan, frosty winters of Jammu & Kashmir or the endless showers of Mawsynram, India is a country of extremes. It experiences ever-changing climates and diverse weather conditions beyond normal levels. To ensure a high-end, smart and long-lasting solution to all such outer influences, Merino offers you its premium range of Merino Armour External Wall Cladding which is designed to withstand these drastic climatic conditions that this tropical sub-continent possesses. These come in an assortment of high-quality luxurious designs with subtle variations that not just add style to your surroundings but also resist the damages that these conditions try to inflict. All in all, it's a range that is exclusively made in India.

*Illustrating  
new trends for Exteriors...*



# MERINO ARMOUR™ EXTERNAL CLADDING

Merino embodies trust and perfection in its own world of innovative deliverable. Years of hard work, dedication and competence have been invested to achieve this remarkable status quo. 'Armour' is an all-new physical manifestation of our consistent commitment to come up with an ideal solution to all architectural challenges. The extensive range of External Wall Cladding blends strength and beauty to perfection. And that's not all, these come with an uncompromising durability, steady protection and timeless aesthetics like none other – thus strongly withstanding all extremities of the varied Indian weather conditions. Armour epitomizes a weather resistant envelope to enhance the lifespan of your building as it can endure all weather fluctuations like intense heat, heavy showers, chilly winters that India experiences.



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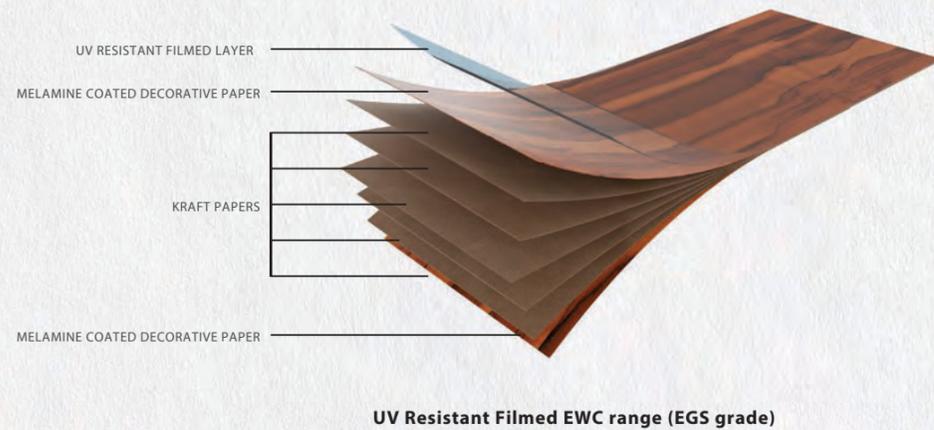
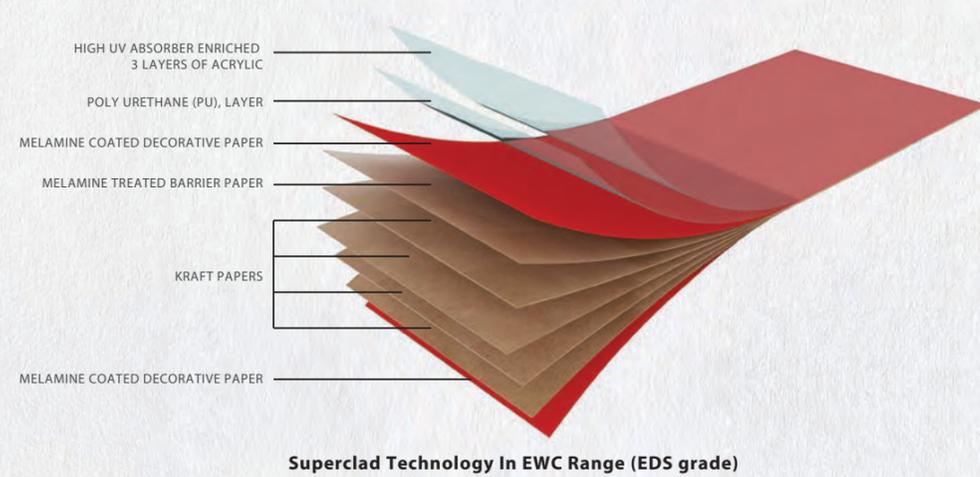


## TECHNOLOGY THAT STANDS APART

### MERINO ARMOUR TECHNOLOGY

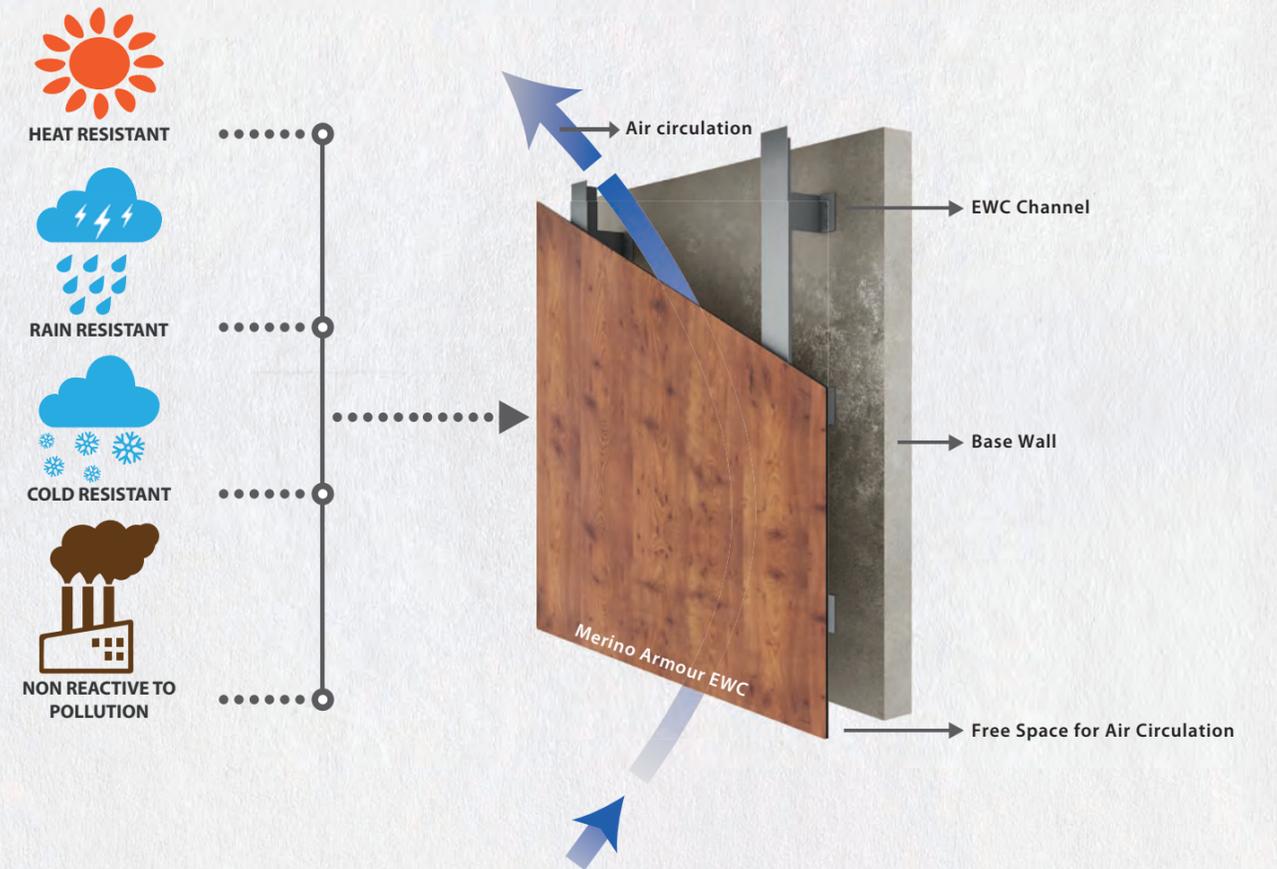
Merino Armour External Wall Cladding epitomizes beauty and toughness. It has been built with the superior external cladding technology called "**Merino Superclad Technology**" which makes the exteriors enduring to the core and helps it withstands the impact of erratic weather conditions.

A special EWC range with Superclad Technology has a UV resistant top coating treated with Poly Urethane (PU) and Acrylic to protect the exterior wall from the harmful Ultra-violet rays, which prevents fading and significantly enhances durability. The other EWC range comes with UV resistant **Filmed Layer** and is manufactured under high pressures and temperatures which yields a highly durable and dense EWC panel; hence, making Merino Armour External Wall Cladding truly superior and strong for your exteriors.



## ARMOUR'S ENERGY SAVING SYSTEM

Merino Armour External Wall Cladding is not only an innovative, durable and aesthetic shield to your exterior; it also has a natural mechanism which embodies an efficient 'Energy Saving System'. A natural insulation i.e. an air cavity gets created between the wall and the External Wall Cladding. This air gap facilitates continuous air ventilation that reduces heat or moisture effect on base structured wall thus, allowing retention of indoor temperature. The ventilation process contributes to reduced levels of energy consumption and also avoids corrosion of the exterior surfaces. The buildings are now better ventilated providing more comfortable indoor environment and ensuring significant energy saving.



**DUE TO ITS SPECIAL VENTILATION TECHNOLOGY, MERINO ARMOUR IS ENERGY-EFFICIENT, SUSTAINABLE, INNOVATIVE AND LONG-LASTING PROTECTOR TO YOUR HOME'S EXTERIOR.**

## ARMoured AGAINST ALL ODDS

The special Armour robustly justifies its name for the exteriors. Merino's Armour is the ultimate weatherproofing shield to safeguard your exterior surfaces against everyday weather variations and extreme climatic conditions. It is truly the superhero in the world of external claddings.



### Against WEATHER:

Highly weather resistant even when exposed to extreme cold or heat conditions and extreme levels of humidity.



### Against UV:

A special UV protected treatment makes the claddings UV resistant and prevents discoloring under long exposure to direct sunlight.



### Against CLIMATIC SHOCK:

It is resistant to sudden change in temperature and humidity in the atmosphere.



### Against CORROSION:

Absolutely corrosion free unlike other external cladding products.



### Against GRAFFITI

Any writing marks made on the surface can be easily removed using soap water or hot water.



### Against TERMITES:

Highly resistant to termite and fungal attack.



### Against MOISTURE:

Highly moisture resistant hence, ideal for use in all types of exterior cladding.



### Against IMPACT:

It is impact resistant and has a very good modulus of elasticity due to the modified phenolic resin.



### Against ABRASION:

It has superior abrasion and wear resistance capabilities which gives it good lifespan.



### Against FLAME:

Special edition claddings are resistant to high temperatures and flame conditions.



Armoured against all odds for 10 years.



14177 Columbian Walnut

Credits: Ar. Navin, Project: Mr. Sathaiah

## EXCELLENCE IN QUALITY

Merino firmly believes that trust is built by delivering high quality and reputable products that adhere to the global standards of quality assurance and environment safety, thus ensuring excellence and credibility in all its deliverables.



GRIHA Green Rating for Integrated Habitat Assessment (GRIHA) was adopted as the national rating system for green buildings by the Government of India in 2007. Merino is GRIHA-certified for its Sustainable Building Material.



The EPH Merino Armour is EPH-certified and holds a proof of performance in the building industry for panelling and cladding.



GREENGUARD Greenguard Certification ensures that a product has met some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs) into the air. Merino Armour testifies it.



GREENGUARD GOLD Merino Armour adheres to GREENGUARD Gold standard that ensures products are acceptable for use in environments such as schools and healthcare facilities.

## THE ARMOUR-SCAPE

Explore the endless external possibilities of claddings...

Merino Armour External Wall Claddings can adorn many external surfaces and it gives a new protective dimension to different kinds of spaces. Let's have glance at these possibilities of using EWC for specific sites of your building.

- 1 Ceilings
- 2 Ventilated Facades
- 3 Balcony Claddings
- 4 Pillars
- 5 Doors
- 6 As Highlighter



### OTHER APPLICATION AREAS

- Partitions • Railings • Fences • Outdoor Furniture • Public Facilities • Playground Facilities • Sports Facilities
- Sun Protection System • Office Entry Portals • Windows

### Armour's Application Possibilities

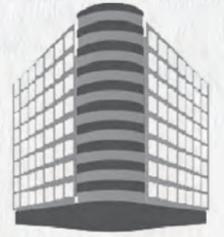
Merino Armour External Wall Claddings are truly versatile in nature. But it ideally works best for these application areas.



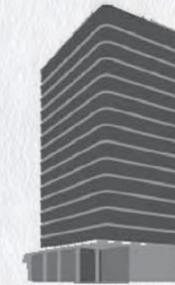
RESIDENCE  
(Kothi)



SHOPPING MALL



HOTELS



OFFICE  
BUILDINGS  
INDUSTRY &



RETAIL  
SHOPS

### APPLICATION PLACES

- Residence (Kothis) • Shopping Malls • Hotels • Motels • Residence (High Rise Apartments)
- Industries • Office Buildings • Retail Shops • Airport Terminals & many more...



14177, 10451, 10672

Credits: Ar. Space Mast- Project SNN Raj Spiritua - Bangalore



10659 - Novoceno Pine

Credits: Ar. Ravi Anchuri-Hyderabad



21341 INTERIOR WHITE, 10659 NOVOCEANO PINE

Credits: Ar. APSE Designs, Project: T. Sridhar Reddy Residence



10659 NOVOCEANO PINE

Credits Parswanath M S director: Projects and Facilities at the JGI Group/ Jain University

## ARMOUR'S WIDE RANGE FOR EXTERIORS

Merino offers plethora of exquisitely enthralling designs of Armour EWC to shield your exteriors available in three ranges. There are woodgrain patterns that evoke the beauty of nature. The solids impart a robust personality to the building pattern which creates a mystified aura around the surface it has been cladded to.

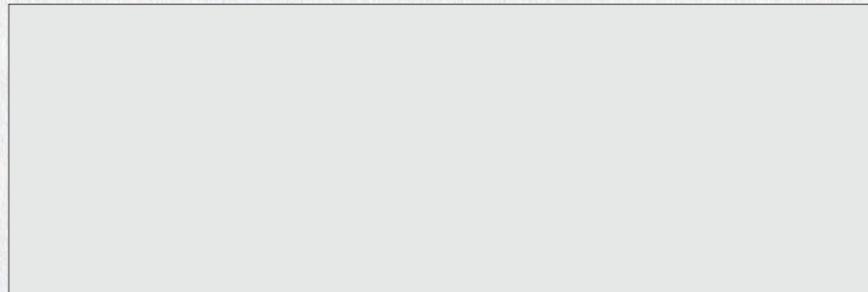
**WOODGRAINS:** The exuberance of nature comes alive with the unique collection of woodgrain Armour range to give a wood like appearance to your exteriors.



**PATTERNS:** Embrace the exotic wide array of abstract designs and attractive patterns to make your home's exterior look appealing.



**SOLIDS:** To fulfill your desire for plain yet vibrant colours, deck your home's exteriors with our wonderful collection of EWC solids range.



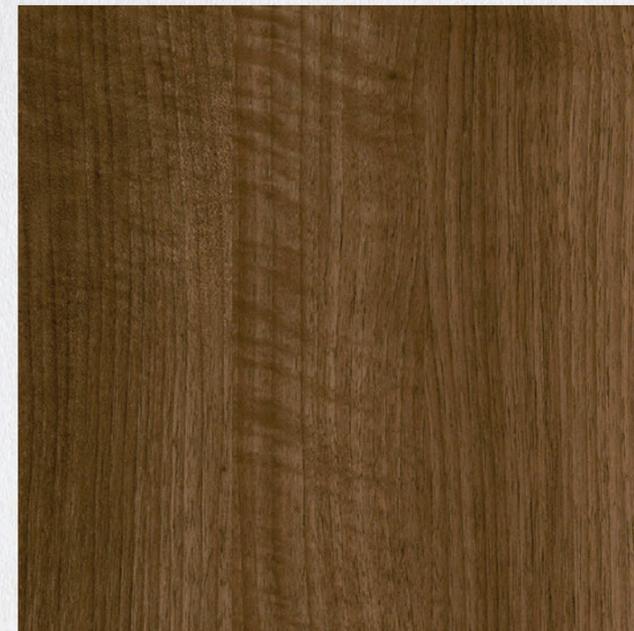
Credits: Ar. Sewanti Gupta, IIT Bihta



Credits: Ar. Arun Bhalla  
MD RSP ARCHITECT



14624 BROWN WOODSCAR



10510 MAGAS WALNUT BRONZE



14640 BRAN BAMBUS





10451 ORLANDO WALNUT



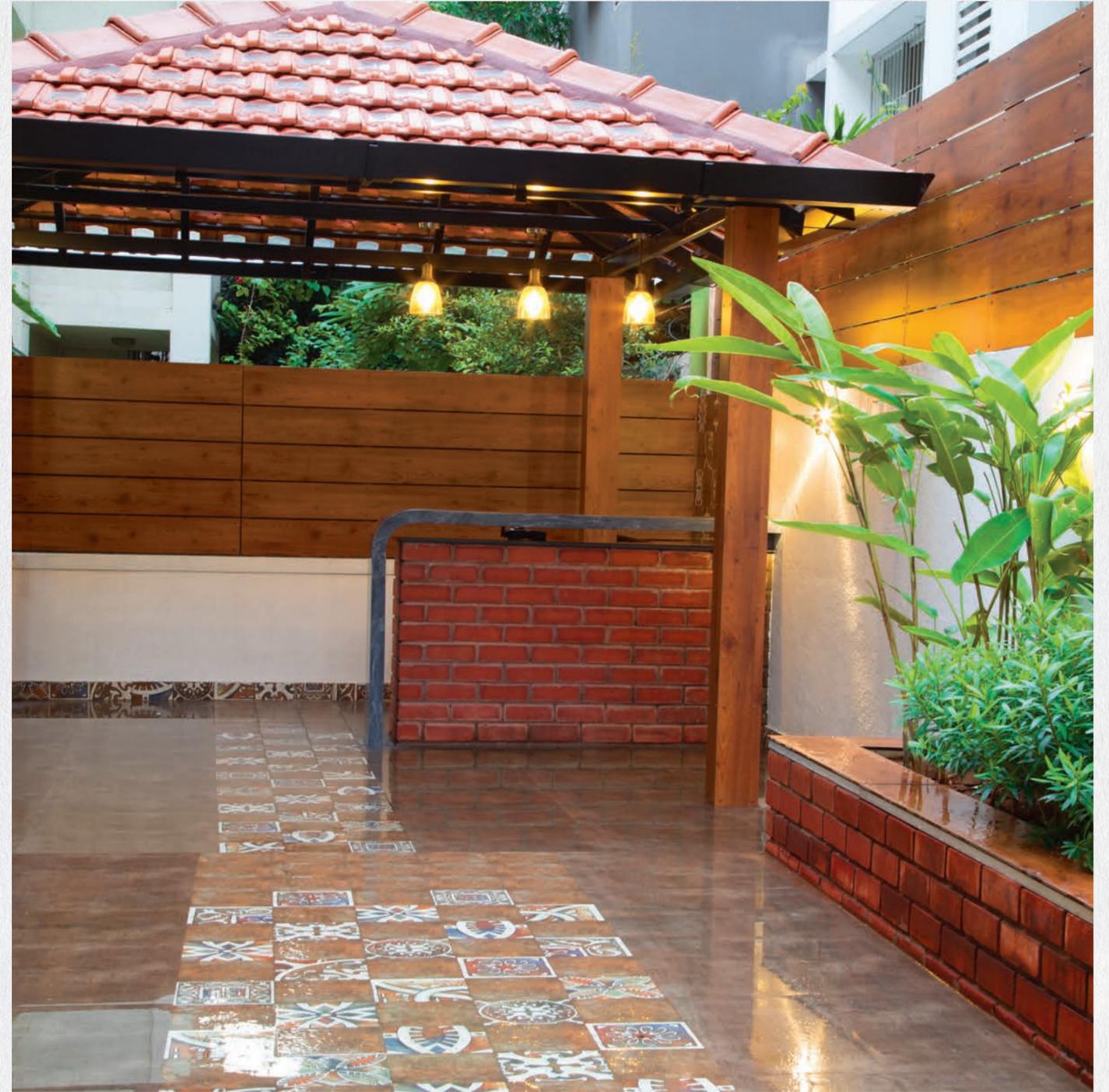
10659 NOVOCENO PINE



14177 COLUMBIAN CADIZ WALNUT



14620 PECONIC CHESTNUT



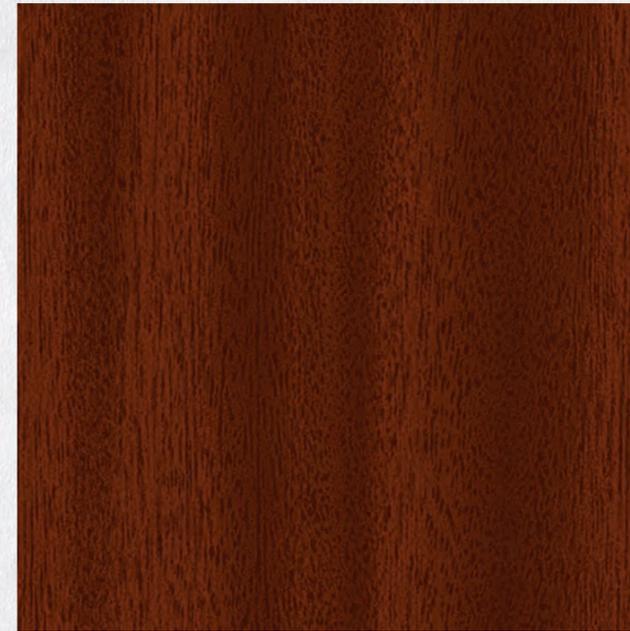
10659 NOVOCENO PINE

Visual representation of Armour EWC on Exteriors, Bengaluru

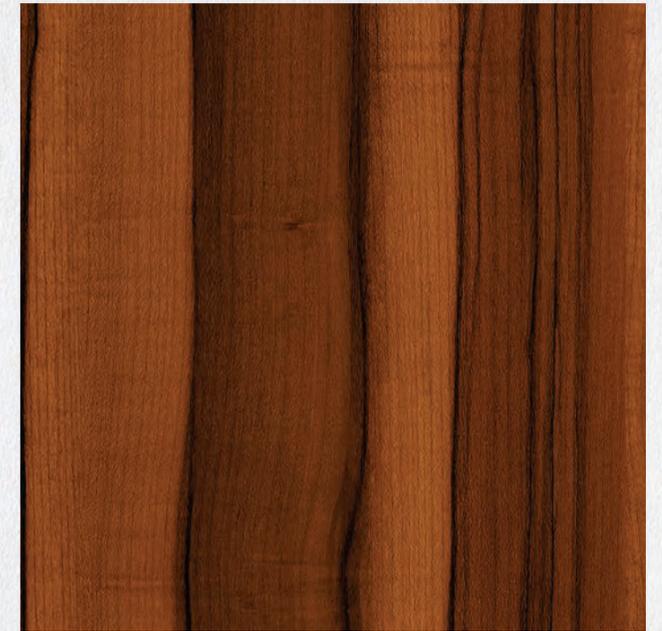


10699 MAHAGONY

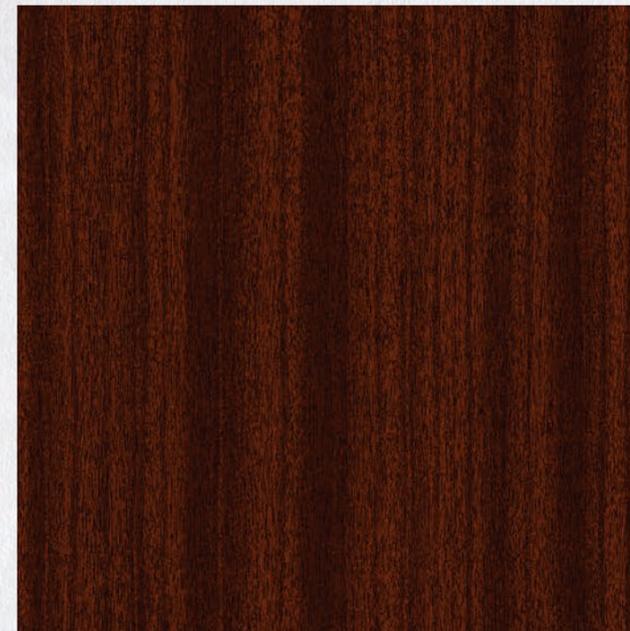
Credits: Ar. Srrot, Shalimar Bagh, New Delhi



10019 SAPELLE



10592 ORCHARD DELIGHT



10699 MAHAGONY



10197 NICE WOOD



14638 ODER PEARWOOD



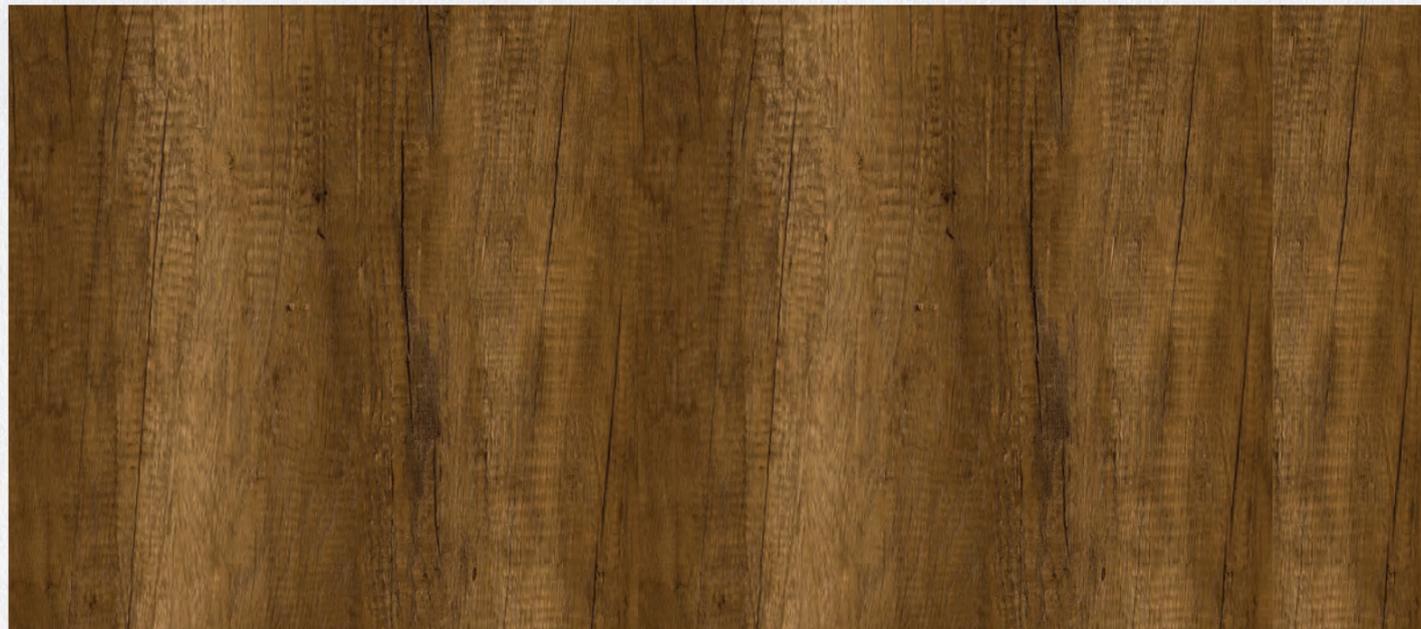
14142 AUBURN KAOS OAK



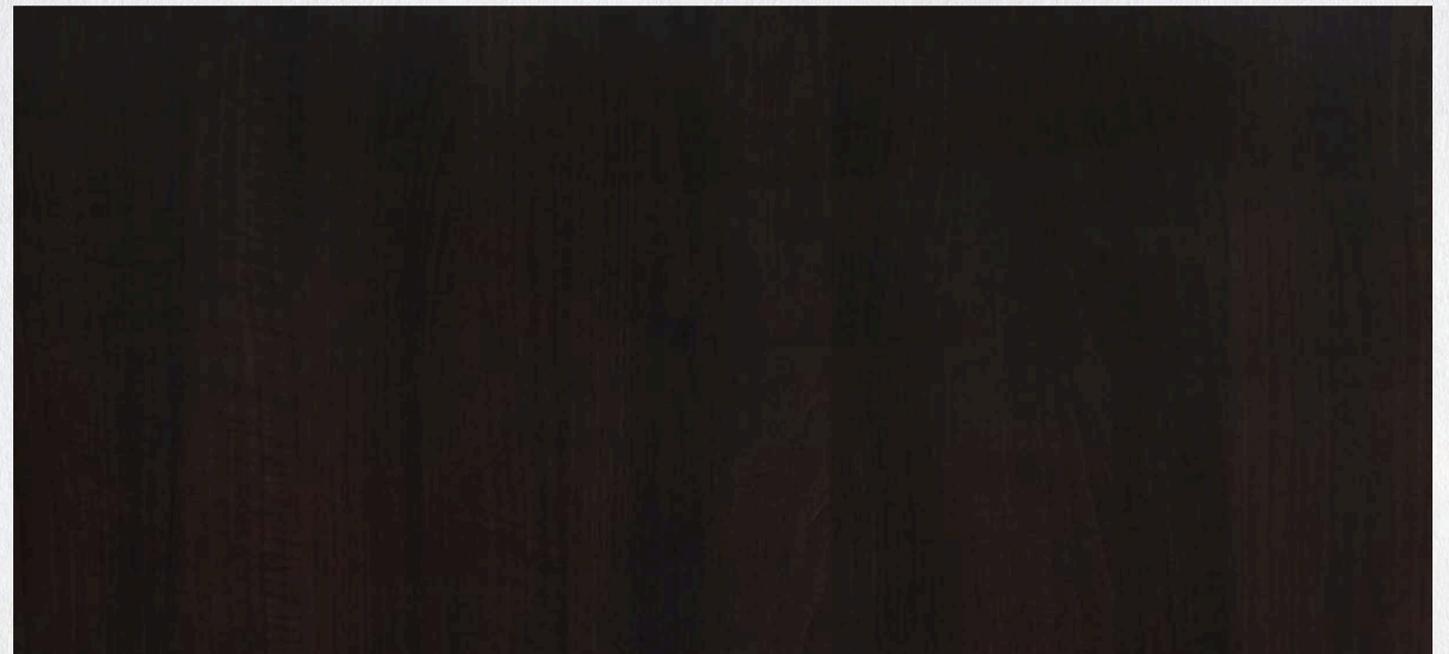
14675 EBONY SEPIA



10243 MALAGASI WENGE



10496 TINSEL WOOD



10511 MAGAS MYSTIQUE WALNUT





40232 SOFT TRAVERTINE

Credits: Harish Suri, Punjabi Bagh, Delhi



40232 SOFT TRAVERTINE



44775 CRUMPLE CEMENT



40266 MOLTEN GRANITE



40214 SKY MARBLE





44759 RUSTIC PARCHED STONE



44773 RUSTIC DREAMS



40267 GOLDEN CAMPINO



44757 PIAZZA



44773 RUSTIC DREAMS, 44757 PIAZZA

Visual representation of Armour EWC on Exteriors





14690 ALHAMARA WOOD



44789 RUSTY OXID METAL



14178 CHERRY CADIZ WALNUT



44789 RUSTY OXID METAL

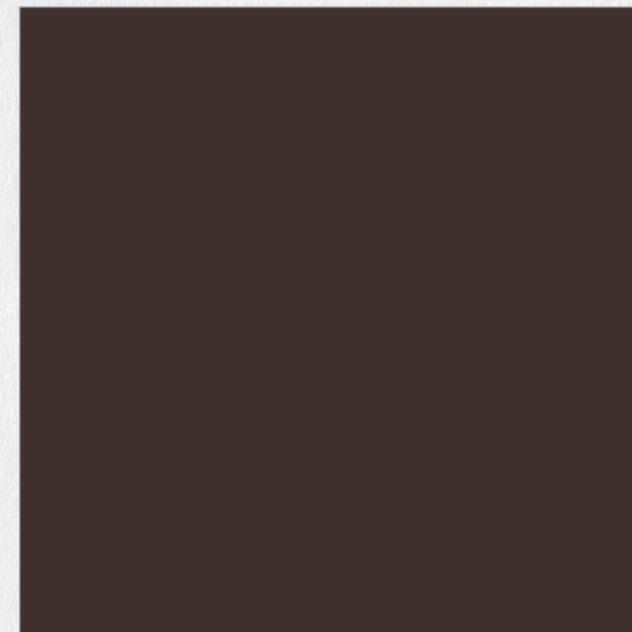
Visual representation of Armour EWC on Exteriors





21127 TAN

Visual representation of Armour EWC on Exteriors



22109 PEARL BLACK



22112 ADRIATIC BLUE

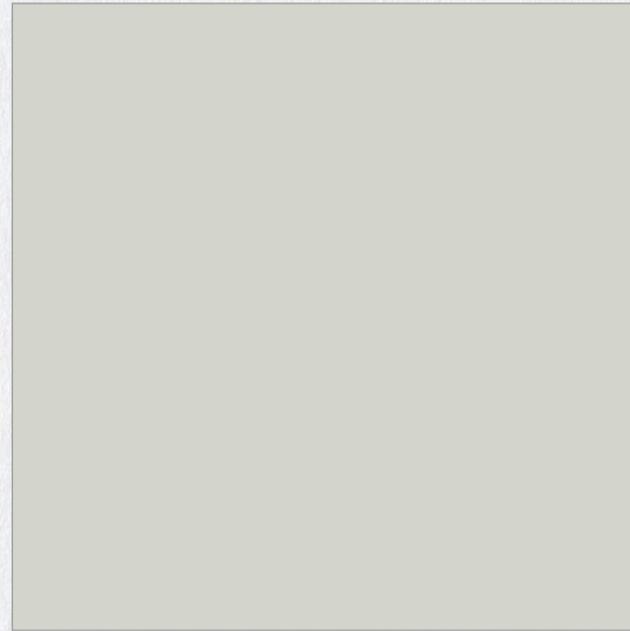


21127 TAN

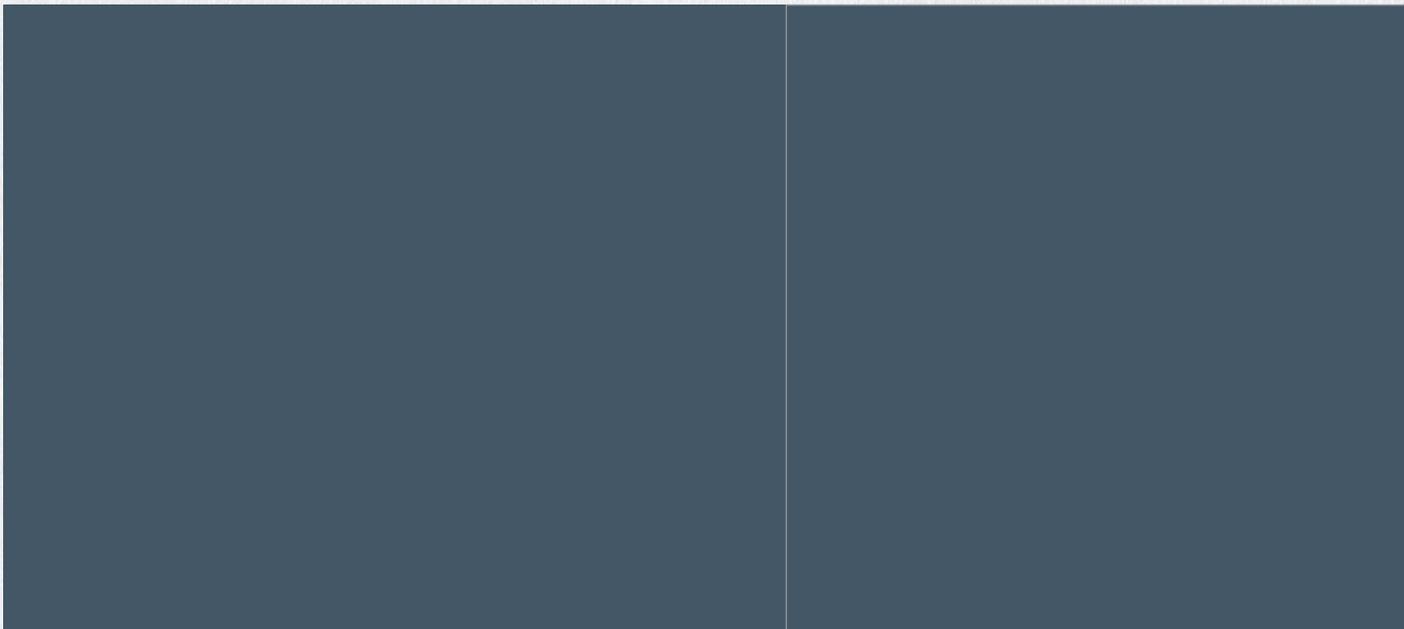




21155 CARAMEL



21069 SILVER GREY



22102 TROOPER



22102 TROOPER, 21069 SILVER GREY

Visual representation of Armour EWC on Exteriors



INSTALLATION SCHEMATICS

JUST ARMOUR IT UP

3 EASY AND QUICK SCHEMATICS TO INSTALL ARMOUR EWC

**ADHESIVE:**

This uses a 3M adhesive to fix the panel. It gives a clean look and is relatively cheaper.



ADHESIVE



**RIVETED:**

It uses a PU coated rivet and is a more trusted and extensively tested method. It makes the panel strong and durable.



RIVETED



**Z-CLIP:**

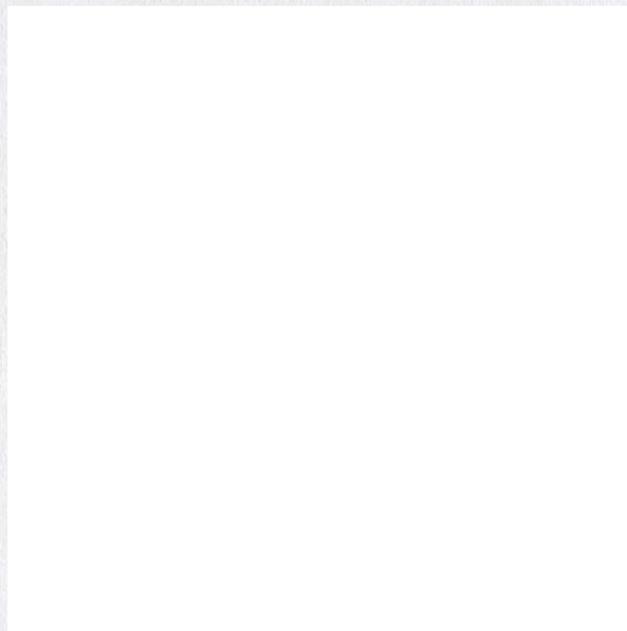
Imported channels are used for fixing the panels which makes it easy to install and even replace.



Z-CLIP



Visual representation of Armour EWC on Exteriors



21341 INTERIOR WHITE



22017 PARAKEET

## ARMOUR'S AVAILABLE DIMENSIONS

Merino Armour EWC panels is readily available in the following four standard sizes and thickness:

### AVAILABLE FULL SIZES WALL CLADDING\*



Available in film based EWC only

### THICKNESS\*

6 MM 

8 MM 

10MM 

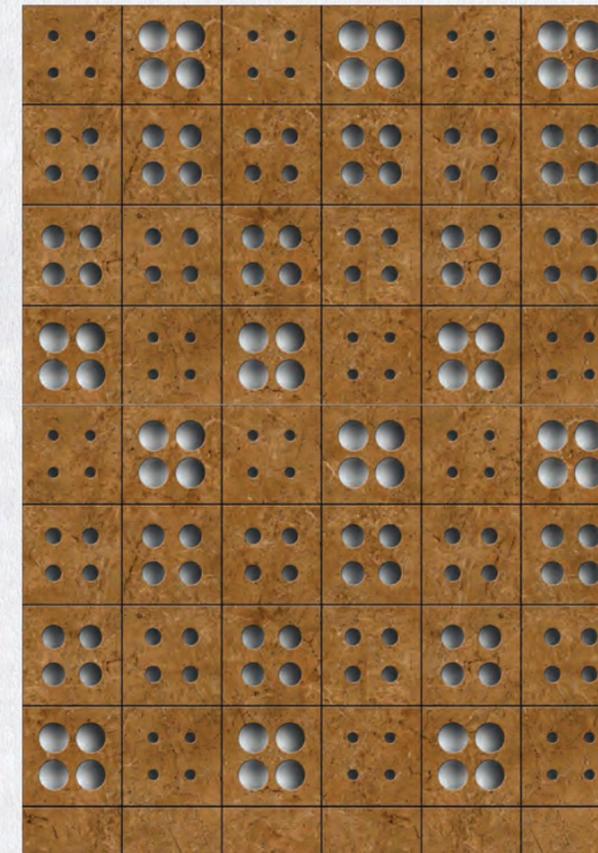
\*Armour range can be provided in above mentioned standard sizes and thicknesses. Other thicknesses and customization also available on request.

## CUSTOMISE YOUR EXTERIORS IN AN INNOVATIVE WAY

We give you the freedom to imagine, innovate and customise your exteriors with your creative instincts and give them a strikingly appealing look. With varying forms and outputs to customized shapes, Merino Armour suits various design philosophies. Armour's External Wall Cladding panels can be made available in quad forms like tiles and planks **but the possibilities to customise your exteriors using Armour's perforation technique are limitless...**

Armour's perforation technique fulfills all your design needs and aspirations as it gives you the power to opt for any customised form. Choose any geometrical shape (involving straight cut), abstract patterns or perforable designs that inspires you to add a revitalising expression to the exterior.

### PERFORATION

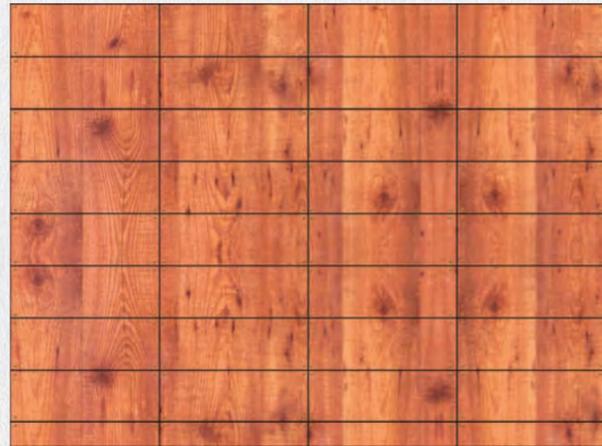


\* These shapes are shown for reference only. The EWC can be customised according to your design needs.

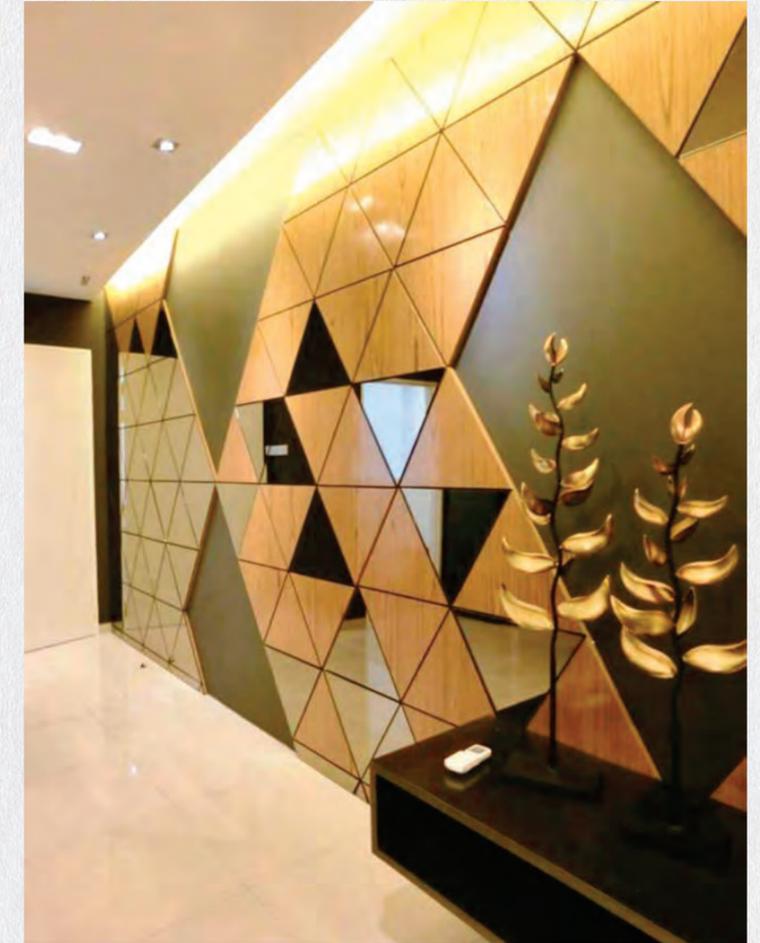
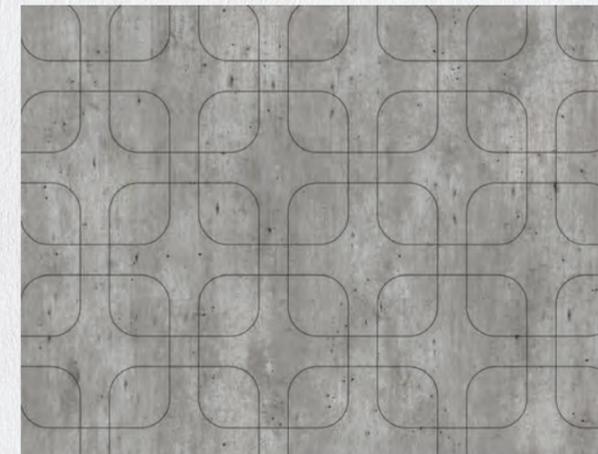
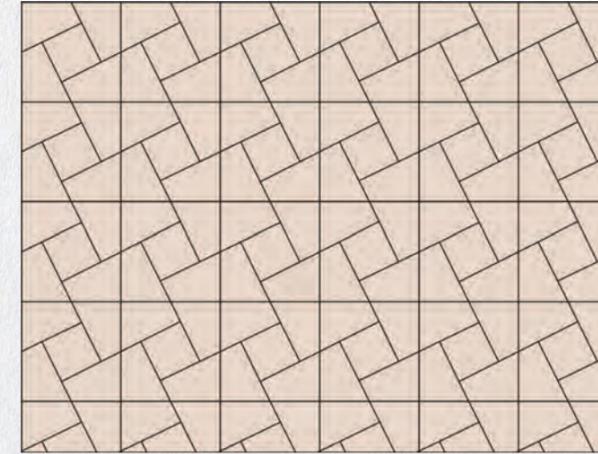


Credits: Alkesh Gangawal and Associates, Aurangabad (Architect and Interior Designer), Sebastian Zachariah (Photography).

## TILES AND PLANKS



## ROUTING



## HIGHLY DECORATIVE

- Multitude of Designs - Woodgrains / Patterns / Solids
- Sizes - Different Sizes of panel are available enabling project optimization.
- Shapes - Different Shapes can be offered. (Even amoebic shapes are possible )
- Configuration - Designed for vertical and horizontal panel configurations
- Look - Clear, Sharp edges gives a neat and clean look to the exterior
- Format - Big Format panels can reduce number of lines associated with edges giving neat look to the exterior.
- Rivets - Matching colour rivets are easily available in the market



## TECHNICAL SPECIFICATIONS

Test Values of Merino Standard Grade Compact Laminate as per (EN438-4) - Thickness 12 mm

Properties	Test Method (EN 438-2) Clause No. Unless otherwise stated	Standard values of CGS Grade	Test Result of MERINO CGS
Length & Width Tolerance	6.4.6	+10 mm - 0 mm	+8mm -0mm
Thickness Tolerance (As per EN-438, Table1)	12 ≤ t ≤ 16	±0.60	±0.50
Compact Density (g/cm <sup>3</sup> )	EN ISO-1183	≥ 1.35	1.45
Resistance to Surface wear Revolutions (min)	10	≥ 350	>400
Resistance to immersion in Boiling water (Max. %)	Increase in Thickness	2	0.95
	Increase in Mass	2	0.85
	Appearance	Rating-4	Rating-5
Resistance to Dry Heat at 180° C Appearance	16	Rating-4	Rating-5
Dimensional Stability at elevated temp. (Max. %)	Machine Direction	0.30	0.15
	Cross Direction	0.60	0.35
Resistance to Impact by Large -Diameter Ball	Drop Height mm (min.)	1800	>2000
Resistance to Staining (Grade not Worse than)	Group 1 & 2	Rating-5	Rating-5
	Group 3	Rating-4	Rating 4 to 5
Resistance to Cigarette Burns Appearance	30	Rating-3	Rating-4
Resistance to Scratching	25	Rating-3	Rating-3
Light Fastness (Xenon arc)	27	4 to5 (Grey Scale)	4 to5 (Grey Scale)
Resistance to Water Vapour Appearance	14	Rating-4	Rating-5
Resistance to Crazing Appearance	24	Rating-4	Rating-5
Flexural Modulus Stress min. (Mpa)	EN ISO-178	9000	>11000
Flexural Strength min. (Mpa)	EN ISO-178	80	>115
Tensile Strength min. (Mpa)	EN-ISO 527	60	>80

### WEATHER RESISTANCE

Property / Test method	Attribute	Unit	Laminate Grade EGS and EGF	Merino EWC
Resistance to UV-Light / EN 438-2, p.28	Contrast	Grey Scale rating (not worse than)	No Requirement	Fulfilled
	Appearance	Rating (min)	No Requirement	Fulfilled
Resistance to artificial weathering / EN 438-2, p.29	Contrast	Grey Scale rating (not worse than)	3**	Fulfilled
	Appearance	Rating (min)	4 **	Fulfilled

\* after 1500 hours exposure

\*\* after 325 MJ/ m<sup>2</sup> radiant exposure

\*\*\*after +650 MJ/ m<sup>2</sup> radiant exposure

### Surface Burning Characteristics EWC Panel - 6mm.

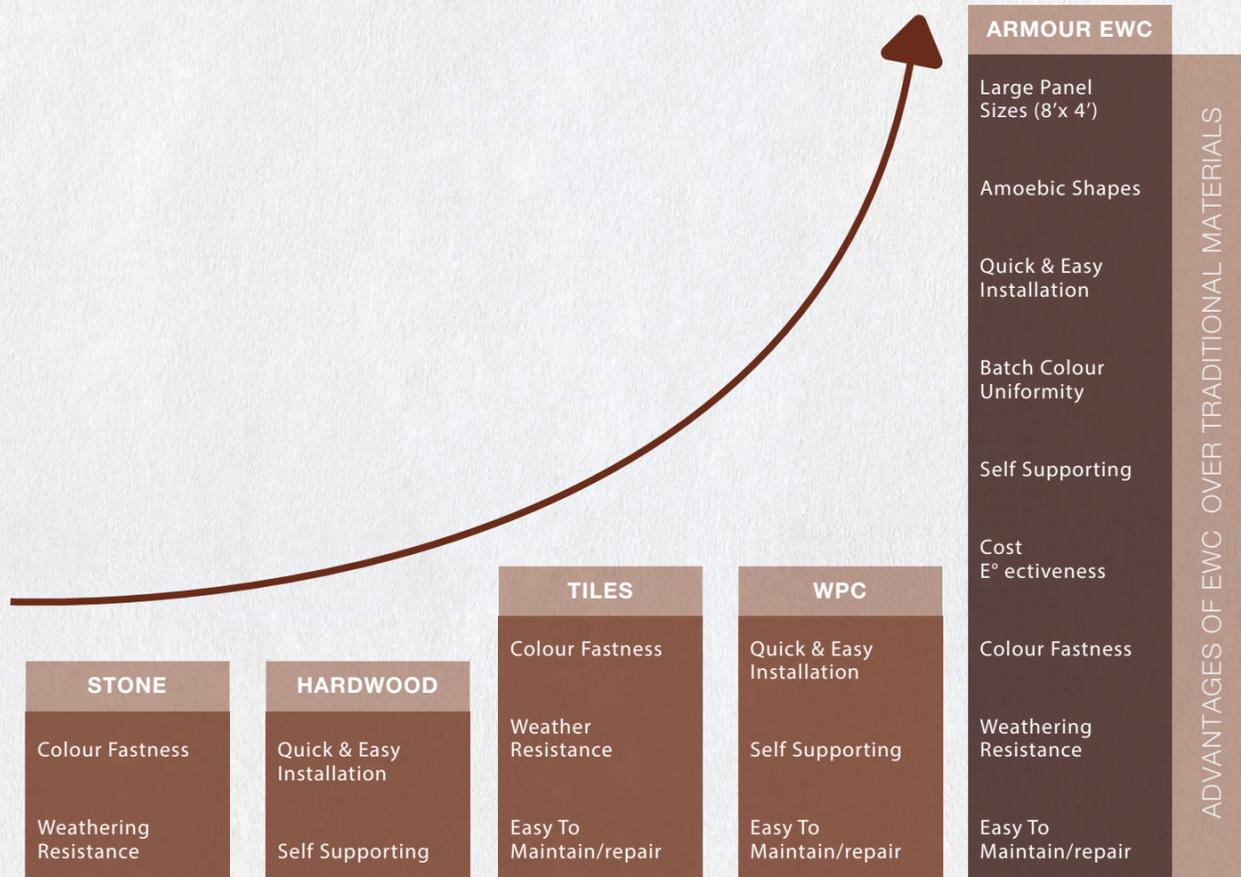
SAMPLE	Flame Spread Index (FSI)	Smoke Developed (SD)
"Exterior Grade Compact Panel"	25	40

Authorities having jurisdiction usually refer to these categories:

	Flame-Spread Index	Smoke Development
Class 1 or A	0 - 25	450 Maximum
Class 2 or B	26 - 75	450 Maximum
Class 3 or C	76 - 200	450 Maximum

## EXTERIORS NOW EVOLVED TO ARMOUR

Merino Armour External Wall Claddings are more evolved and tough when compared with other cladding materials. Not only is it backed by superior technology and great designs, it also surpasses others across all parameters, hands down.



LIMITED WARRANTY

## MERINO ARMOUR'S 10 YEARS WARRANTY



### LIMITED WARRANTY:

Merino Armour EWC\* panels will continue to possess the properties as per requirement of EN 438-part-6 for a period indicated below from the date of delivery of the product to the buyer. Ø EWC – 10 Years.

- Warranty will be valid when installation will be done according to Merino Installation Guidelines only in supervision of technical team.

LIMITED PRODUCT WARRANTY-Merino Industries Ltd warrants that under normal use of Merino Armour EWC\* panels, it will conform to the properties as per specification of EN 438-part-6, for a period of 10 years from the date of delivery of the product to the first consumer purchaser, subject to following conditions:

- Slight loss of brightness or homogeneous variation in colour taking place in course of time of use is acceptable as per EN 438 Part 6

- The Warranty shall be absolutely non-transferable and any resale or transfer of any kind whatsoever, of the product by the first consumer purchaser shall render the warranty void.
- This warranty shall not cover any damage or deviation from the standard EN 438 Part 6 set forth for Armour EWC properties if it is caused by: (a) Accidents, abuse or misuse; (b) exposure to extreme temperatures; (c) improper fabrication or installation; or (iv) improper maintenance, and Merino shall have the sole and absolute right to determine the reason for such damage or deviation.
- This warranty shall be void, subject to other terms and conditions contained herein, upon non-production of the original warranty document, duly sealed and stamped on the date of purchase by Merino Industries Ltd or by any of its authorised dealers.
- Under no circumstances shall Merino Industries Ltd be liable for any loss or damage arising from the purchase, use or inability to use the product or for any special, indirect, incidental or consequential damages.
- In case of any dispute or differences which arise out of these warranty terms, the same shall be exclusively subject to the jurisdiction of the Courts of Law in Kolkata, India.
- These terms of warranty shall be deemed to have been accepted upon purchase of the product by the first consumer purchaser.

\*Merino Armour EWC is suitable for (normal) usage.

### CUTTING INSTRUCTIONS:

- We recommend using below Saw Blade for cutting on the product:
  - Profile – FZTR, No. of Teeth – 72 Nos, RPM – 3000 to 4000, Feed Speed – 6 to 8 Mtr. /min.
- Pressure bar should be applied on product before actual cutting starts
- No vibration should take place while cutting the product

**MERINO INDUSTRIES LTD.**

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[www.merinolaminates.com](http://www.merinolaminates.com)



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**FINGUARD**  
ANTI-FINGERPRINT LAMINATES



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**FINGUARD**

FINGERPRINT  
RESISTANCE  
MAKES THE  
DIFFERENCE.



**UNBELIEVABLE SURFACES**  
*By Merino*

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◆ [About Finguard](#) >

◆ [Composition / Features](#) >

◆ [Applications](#) >

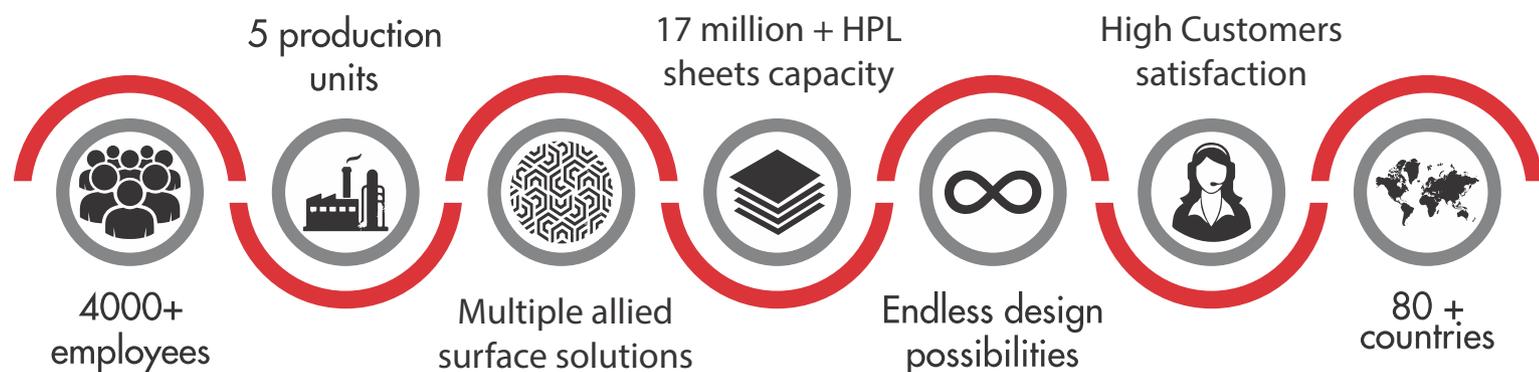
◆ [Product Range](#) >

◆ [Technical Data](#) >

◆ [Warranty](#) >

## ABOUT MERINO

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



## CERTIFICATIONS



# THE *Un*-RIVALLED FINGUARD

**Anti-fingerprint laminates.**

Finguard Surfaces have been crafted to perfection to leave an impression but not on your décor surface. It has an incredible resistance to fingerprints along with a soft and smooth finish. Usage of innovative technology like Electron Beam Curing, makes it anti-bacterial and hygienic while providing extra resistance to scratches. A masterpiece crafted after extensive research and fine manufacturing, brought to life with the latest in technology.



27199  
Charcoal Grey



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## Un-RIVALLED COMPOSITION

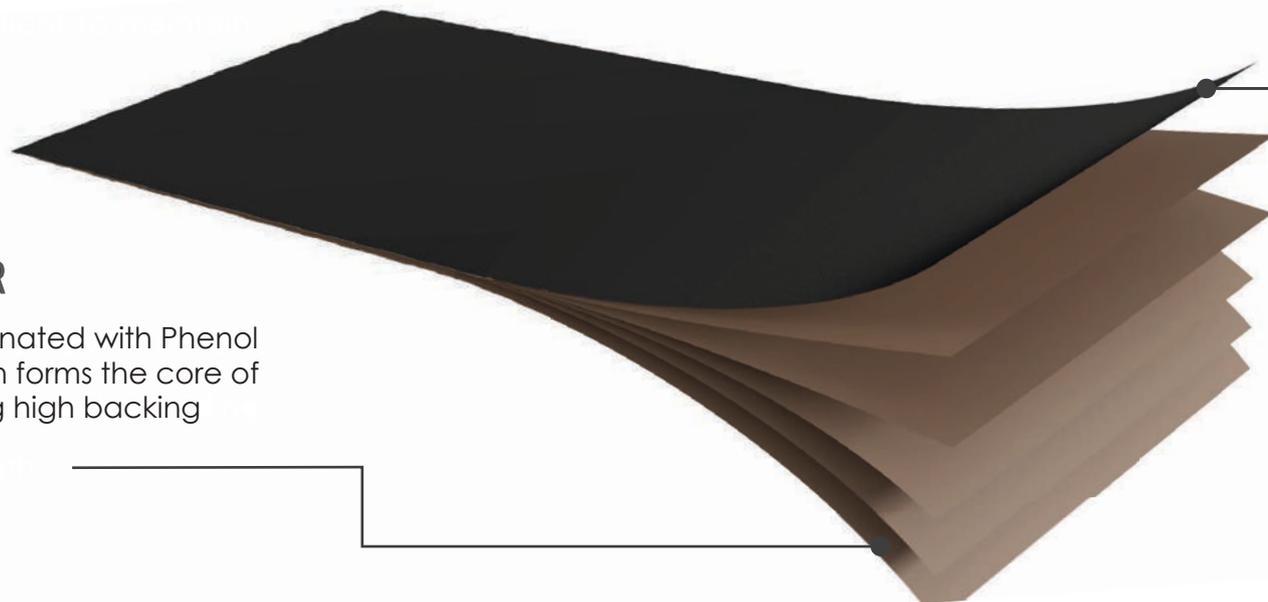
The core is composed of Kraft Paper impregnated with Phenolic Resin which provides hardness to the laminate. The décor layer on top is treated with Electron Beam. The innovative technology of Electron Beam Curing is exclusively used by Merino to make surfaces highly resistant to any fingerprints, smudges and greasy spots by reducing the porosity of the surface. Acrylic top layer makes the surface easy to clean and highly convenient to maintain.

### ELECTRON BEAM CURED DECOR LAYER

Décor paper that has been cured using Electron Beam.

### KRAFT PAPER LAYER

Kraft Paper impregnated with Phenol Formaldehyde resin forms the core of Finguard, providing high backing strength.



## Un-RIVALLED FEATURES



ANTI-FINGERPRINT



ANTI-BACTERIAL



ANTI-FUNGAL



High Matte



SOFT TOUCH



SCRATCH RESISTANT



ANTI-MARKING



SMOOTHENED EDGE

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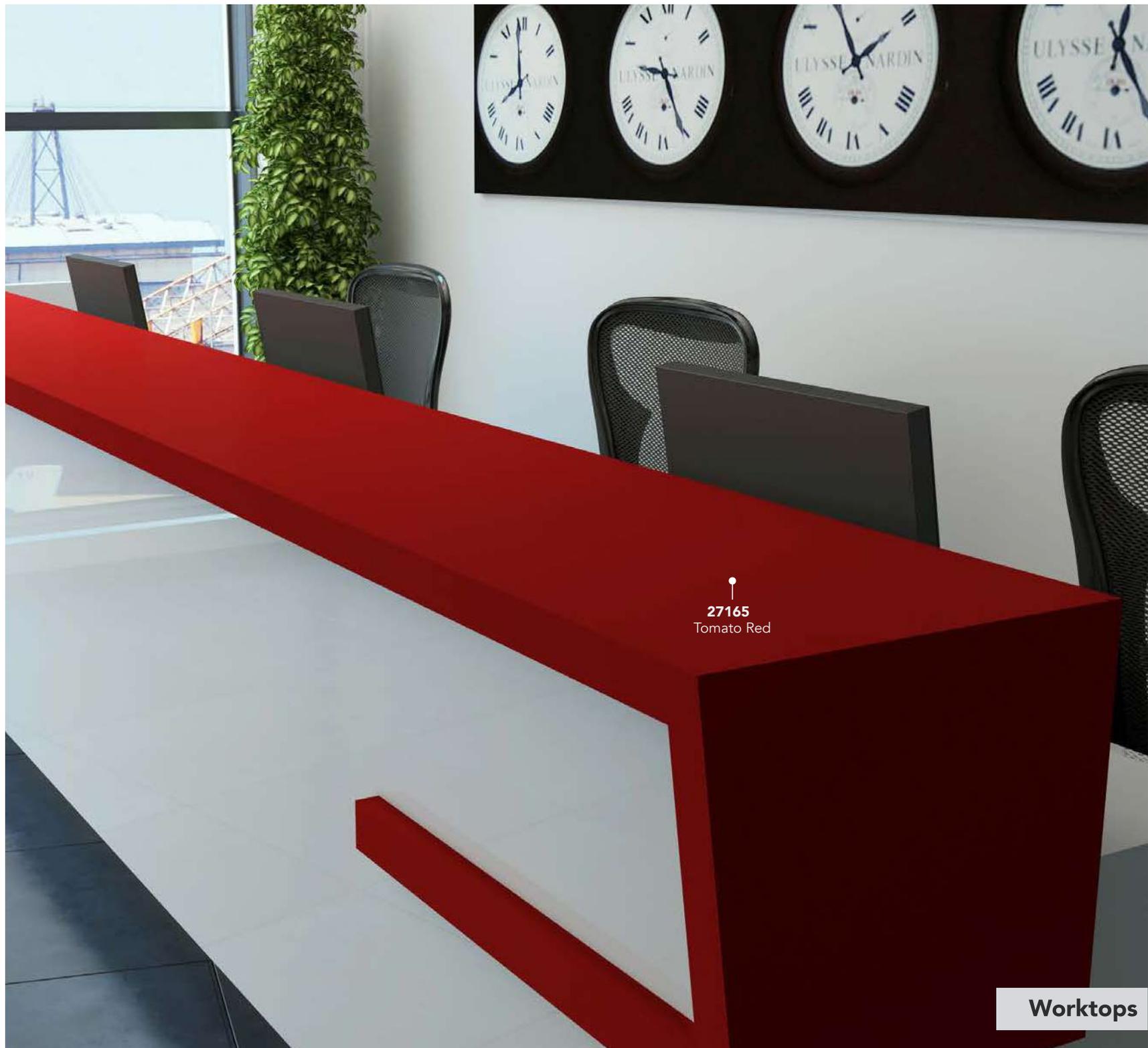
27199  
Charcoal Grey

**ANTI-**  
**FINGERPRINT**

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# Un-RIVALLED APPLICATION

For both horizontal and vertical surfaces.



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27176  
Jet Black

Countertops

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# Un-RIVALLED SECTORS

The way Merino Finguard is crafted makes it a ideal choice for crowded areas where there is a high footfall. The more people there are, the more chances there are of leaving fingerprints on surfaces. This is why Merino Finguard is especially applicable in sectors like - premium residences, healthcare, hospitality, offices and business centres.

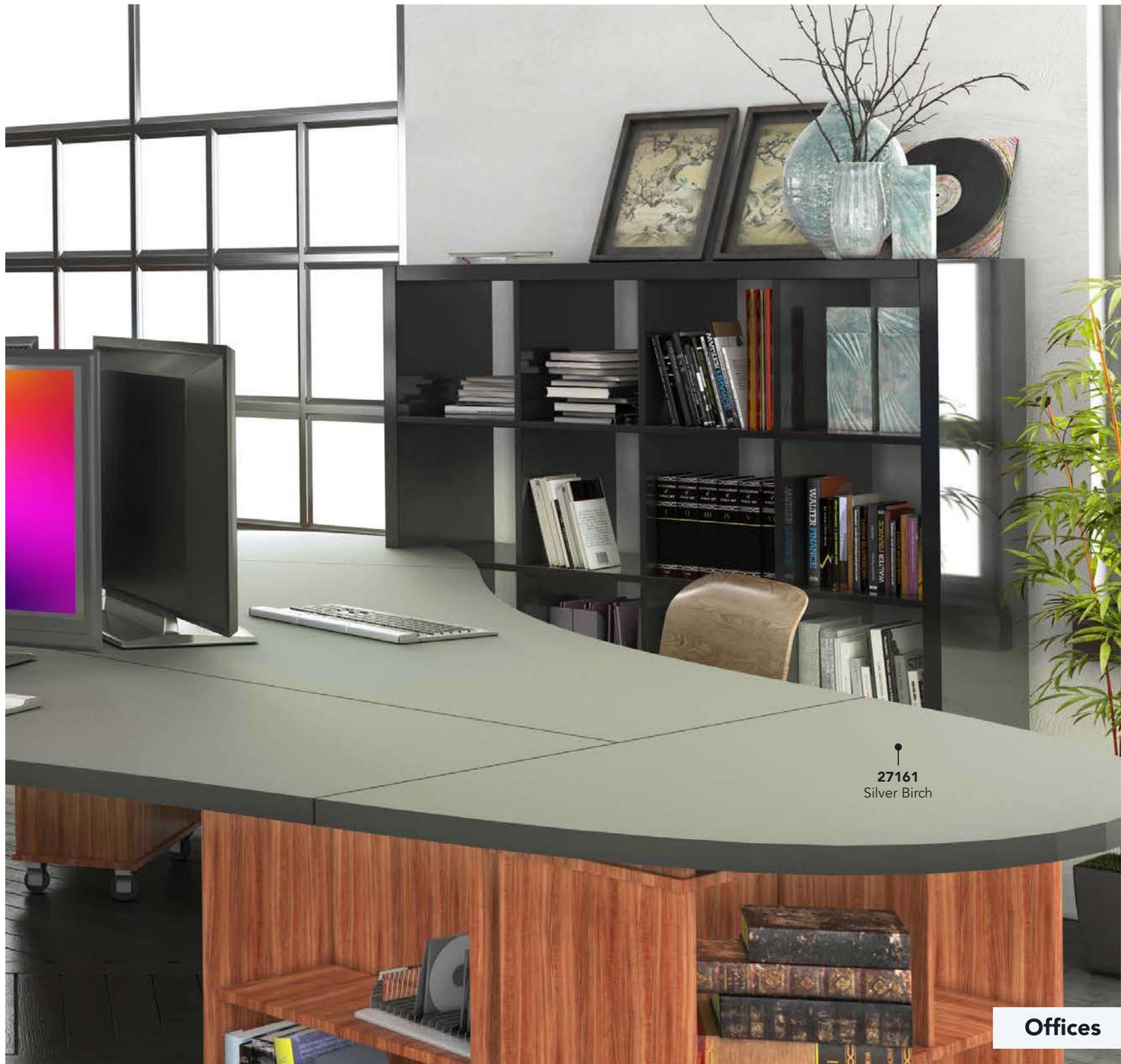


**Premium Residential**

We currently do not offer Finguard in post-forming grade.

27165  
Tomato Red

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27161  
Silver Birch

Offices

< Back To Index



27199  
Charcoal Grey

Hospitality & Restaurants

< Back To Index



## STORAGE AND CLEANING

- Sheets should be stored horizontally with the top sheet facing downward.
- A thick hard board should be kept on top to protect the material from possible damage.
- Stored laminate should be used in rotation so that the older sheets are used first.
- Laminates should never be stored in places where it can come in contact with moisture.
- It should never be dragged but lifted by at least two people to avoid any mishandling.
- Clean the surface using a damp cloth or sponge with a mild detergent. Coffee or tea stains can be removed using a soft bristle brush with some mild detergent.
- For harsher stains, apply a paste of baking soda in water with a soft bristle brush. Light scrubbing with 10-20 strokes is enough to remove most stains.
- For stains belonging to Group 3 and 4, apply undiluted bleach or nail polish and let it sit for no more than two minutes. Rinse with warm water and wipe dry.
- Warning: Prolonged exposure to strong chemicals can cause discolouration of the laminate. Avoid using acid-based cleaners.

# MAINTENANCE

Marks left by sweat, oily or dirty fingers must be cleaned with a damp cloth and a little dish soap. It doesn't have self-cleaning properties. In case of stronger marks, wipe with a rubber sponge. For more details visit [www.merinolaminates.com/finguard.html](http://www.merinolaminates.com/finguard.html).

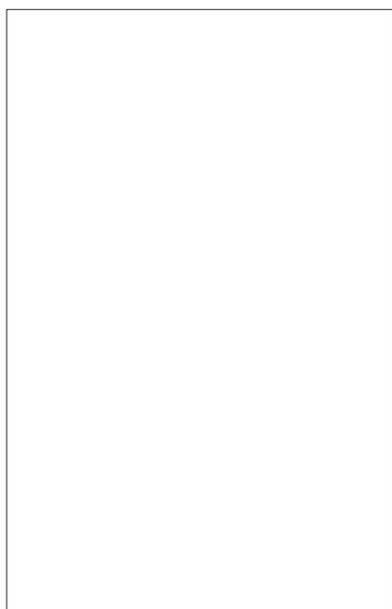


## Cutting Instructions:

- We recommend using below Saw Blade for cutting on the product:
  - Profile – FZTR, No. of Teeth – 72 Nos, RPM – 3000 to 4000, Feed Speed – 6 to 8 Mtr. /min.
- Pressure bar should be applied on product before actual cutting starts
- No vibration should take place while cutting the product

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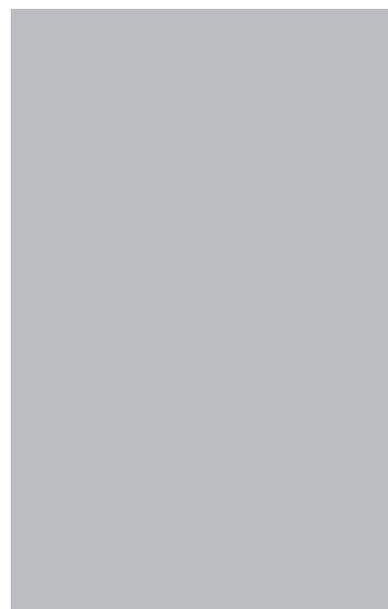
# Un-RIVALLED RANGE



**27171 FG** Egret White



**27187 FG** Pearled Ivory



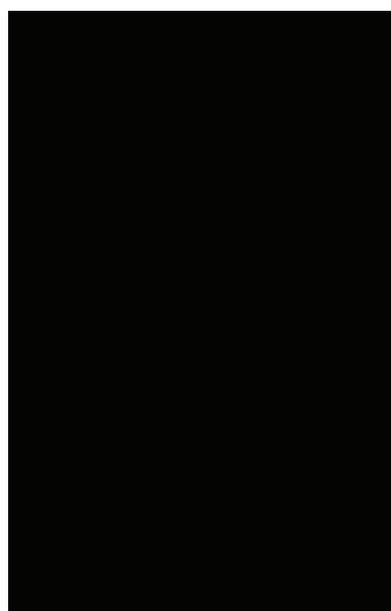
**27161 FG** Silver Birch



**27199 FG** Charcoal Grey



**27165 FG** Tomato Red



**27176 FG** Jet Black\*



**NEW 27122 FG** Indigo Blue

\* Jet black also available in 4.3 ft. and 5 ft. width

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## AVAILABILITY MATRIX

Product	Thickness	Sizes in feet	Finishes	Designs
Finguard	0.7 mm & Above	4 x 8 , 4 x 10	Finguard	7 Designs

## Test Values of Merino Finguard (Anti Finger Grade) Laminate as per (EN438-3)

Properties	Test Method as per EN 438-2 Clause No.	Property or attribute	Unit (max or min)	Values as per EN 438-3	Merino Value
Thickness Maximum Variation	5		mm	±0.10mm	±0.05mm
Length & Width	6		mm	+10mm -0.0mm	+10mm -0.0mm
Density	EN ISO 1183	Density	g/cm <sup>3</sup>	≥1.35	>1.35
Resistance to Surface wear	10	Wear Resistance	Revolution (min)	≥350	>400
Resistance to Impact by Small diameter Ball	20	Spring Force	N(min)	≥20	>20
Resistance to Scratching	25	Force	Rating (see annex a)	3	≥3
Dimensional stability at elevated temperature	17	Cumulative dimensional change	% Long	≤ 0.55	<0.45
			% Cross	≤ 1.05	< 0.90
Resistance to immersion in boiling water	12	Appearance	Grade (min)	4	>4
Resistance to dry Heat at 180°C	16	Appearance	Grade (min)	4	>4
Resistance to Staining	26	Appearance	Rating Group-1&2	≥5	5
			Group-3	≥4	≥4
Resistance to water vapor	14	Appearance	Grade (min)	4	>4
Resistance to cigarette burn	30	Appearance	Grade (min)	3	>3
Light Fastness ( Xenon arc)	27	Contrast	Gray Scale Rating	4 to 5	>4
Resistance to Cracking under stress (optional)	23	Appearance	Grade (min)	4	>4
Gloss Level at 60° angle		Appearance			2 to 4
Finger Impressior		Appearance			No Impression



#### Limited warranty

Merino Industries Limited & Merino Panel Product Ltd. warrant that, under normal use & service, the material & workmanship of their products shall conform to the standards set forth on the applicable technical data sheet for limited life time warranty from the date of sale to the first consumer purchaser. Dealers & distributors are provided with the technical data sheets, which contain specific standards of performance of the product. In the event that a Merino Industries Limited or a Merino Panel Product Limited product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use the product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of Merino Industries Limited and Merino Panel Product Limited has the authority to modify the obligation or limitation of this warranty.

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## **MERINO INDUSTRIES LTD.**

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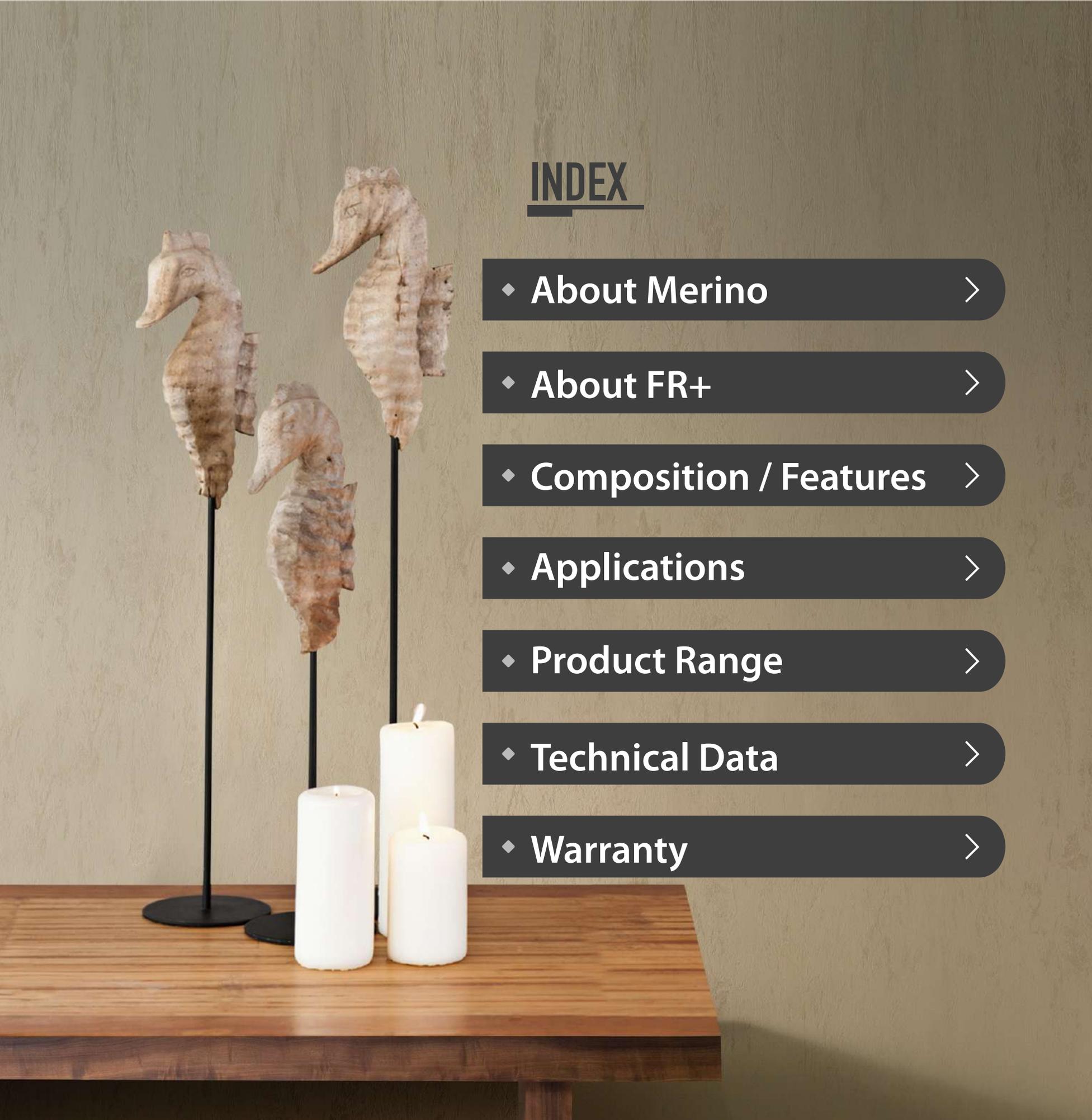
**FR+**

**FIRE  
RESISTANCE  
MAKES ALL  
THE DIFFERENCE.**

**UNBELIEVABLE SURFACES**  
*by Merino*

## **Disclaimer**

“ For Visual representation only.  
Design Range & Finishes are subject  
to change without prior notice.  
Actual Design & Color may vary  
when viewed in digital format.  
Please contact your nearest Merino  
Dealer / Merino Team for order  
fulfillment”

The background of the slide features a photograph of three seahorse sculptures mounted on thin black stands, and three lit white candles on a wooden table in the foreground. The seahorses are light brown and appear to be made of a natural material like wood or stone. The candles are lit, casting a warm glow. The overall aesthetic is rustic and elegant.

## INDEX

◆ [About Merino](#) >

◆ [About FR+](#) >

◆ [Composition / Features](#) >

◆ [Applications](#) >

◆ [Product Range](#) >

◆ [Technical Data](#) >

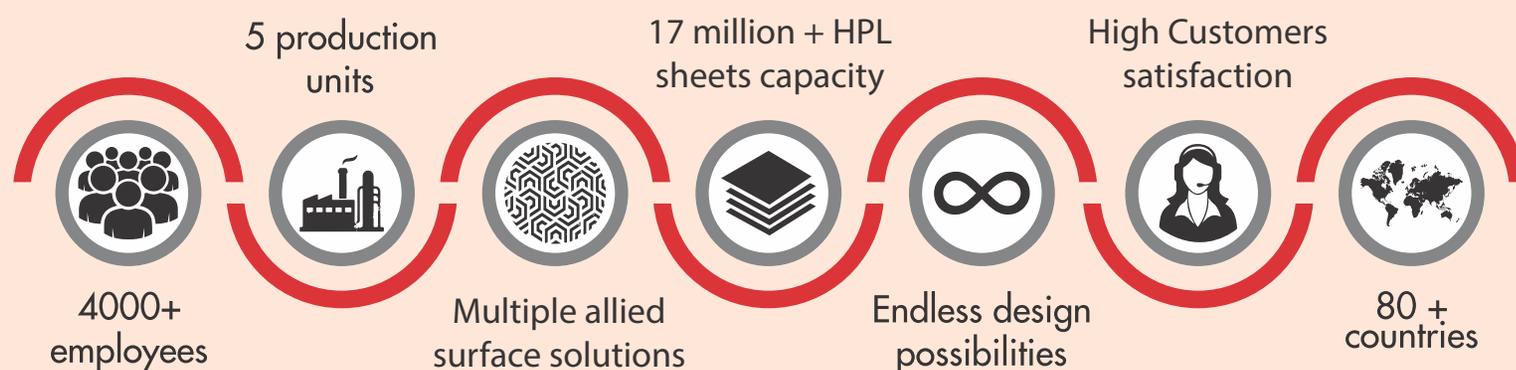
◆ [Warranty](#) >



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## ABOUT MERINO

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



## CERTIFICATIONS



“IGBC - MP - 081076”

ISO 14001:2004  
OHSAS 18001:2007  
ISO 9001:2008

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# THE *Un*-SCORCHED FIRE-RETARDANT (FR+)

Halogen free fire-retardant laminates.

Fire Retardant (FR+) is a special type of laminates which is halogen free in the category of fire-resistant laminates. As per ASTM standards, its performance belongs to Class 1 grade making it an eminent laminate resistant to fire. With suitable substrates and adhesives, FR+ can help prevent casualties and damage caused due to fire hazard.



14168  
Mediterranean Oak

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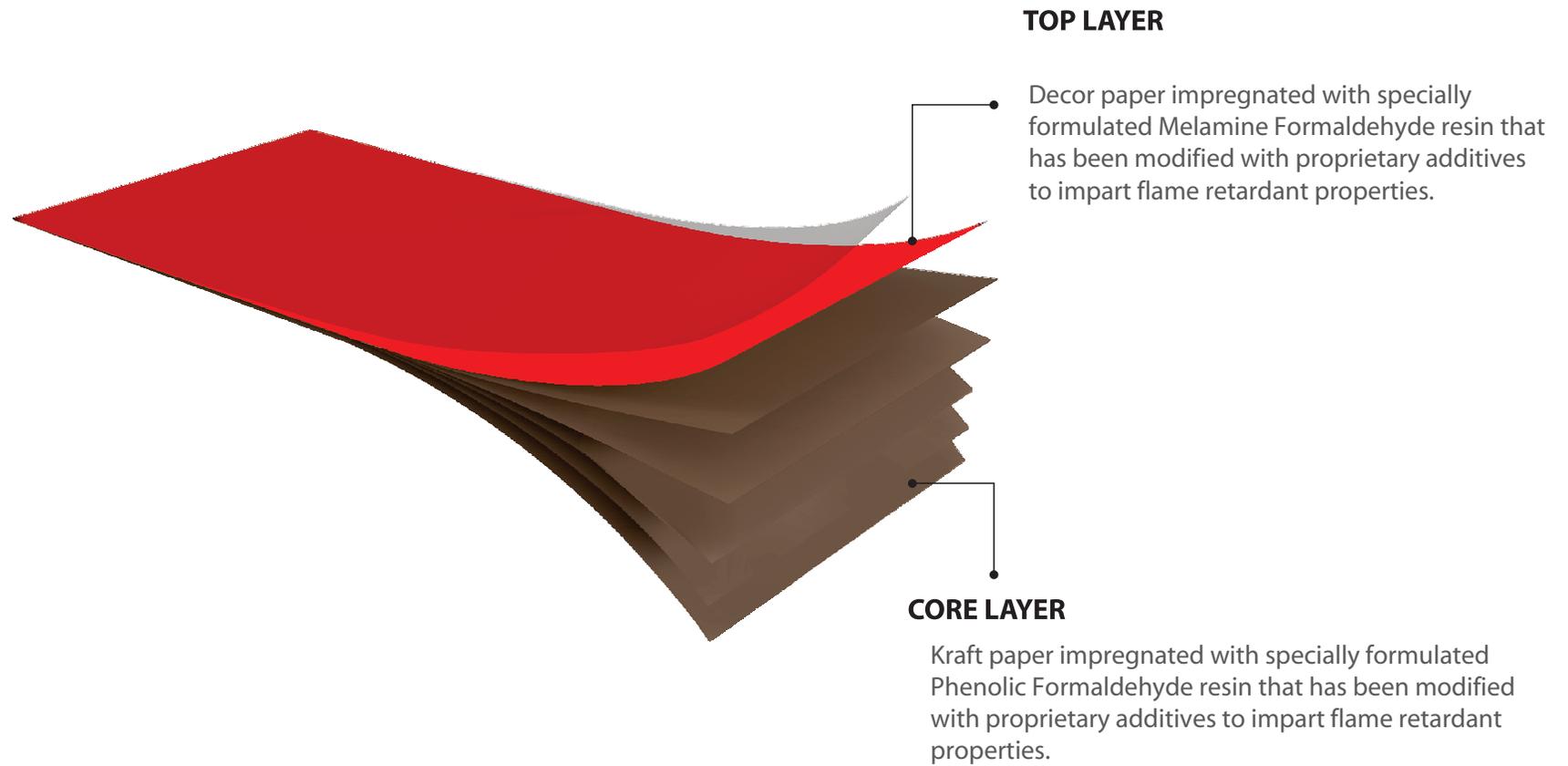
↑  
14616  
Cezarus Kraft Oak

FR<sup>+</sup>

\*Image shown are for reference. Actual product may vary\*

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## Un-SCORCHED COMPOSITION



## Un-SCORCHED FEATURES



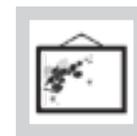
HALOGEN  
FREE



LOW SPREAD  
OF FLAME



SELF-  
EXTINGUISHABLE



DECORATIVE



IMPACT  
RESISTANT



NON-TOXIC

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↑  
10544  
Canadian Walnut

**HALOGEN  
FREE** 

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# *Un*-SCORCHED APPLICATION

For both vertical and horizontal application.

↑  
10024  
Black Cherry

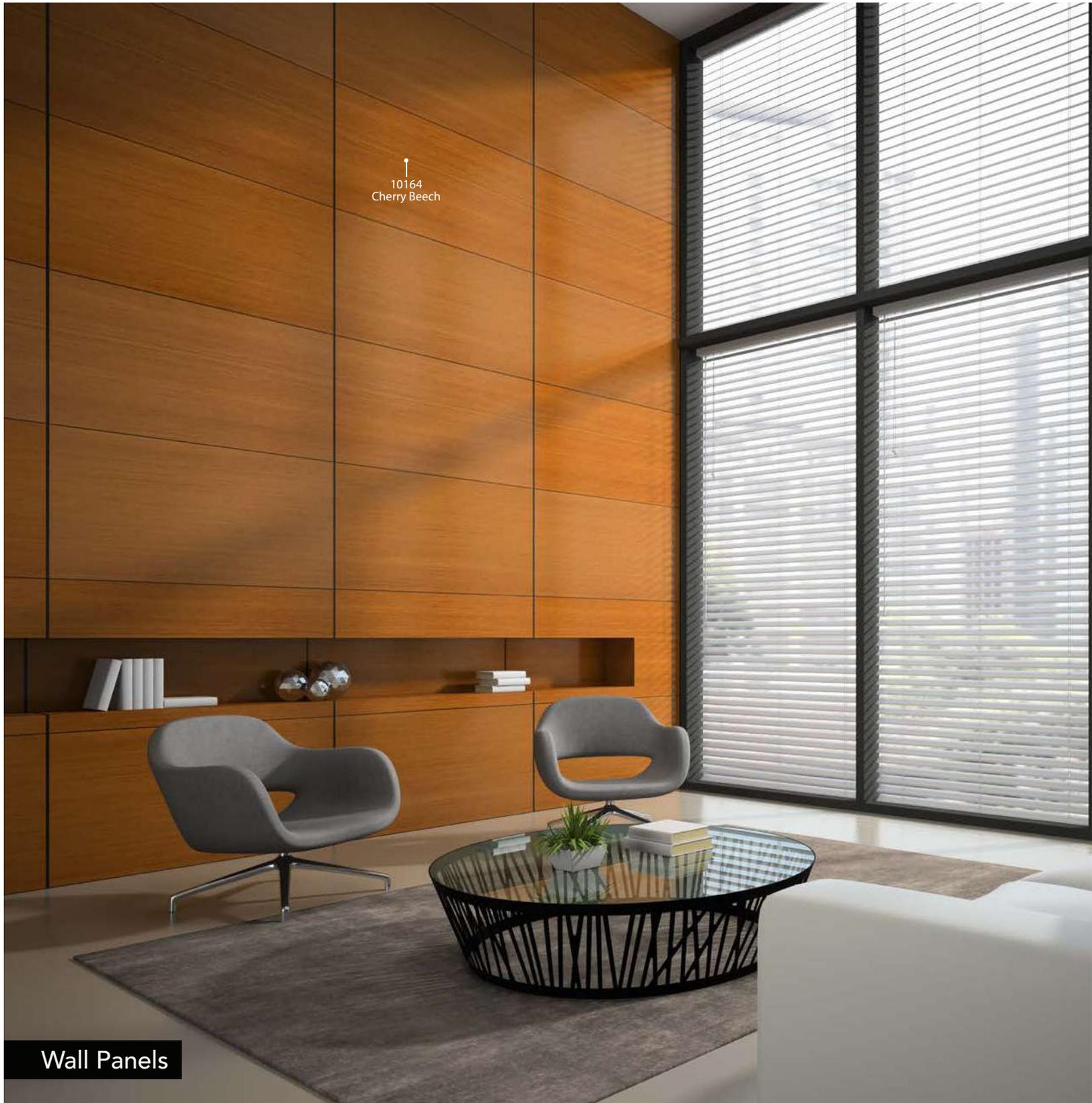
Fire Rated Doors

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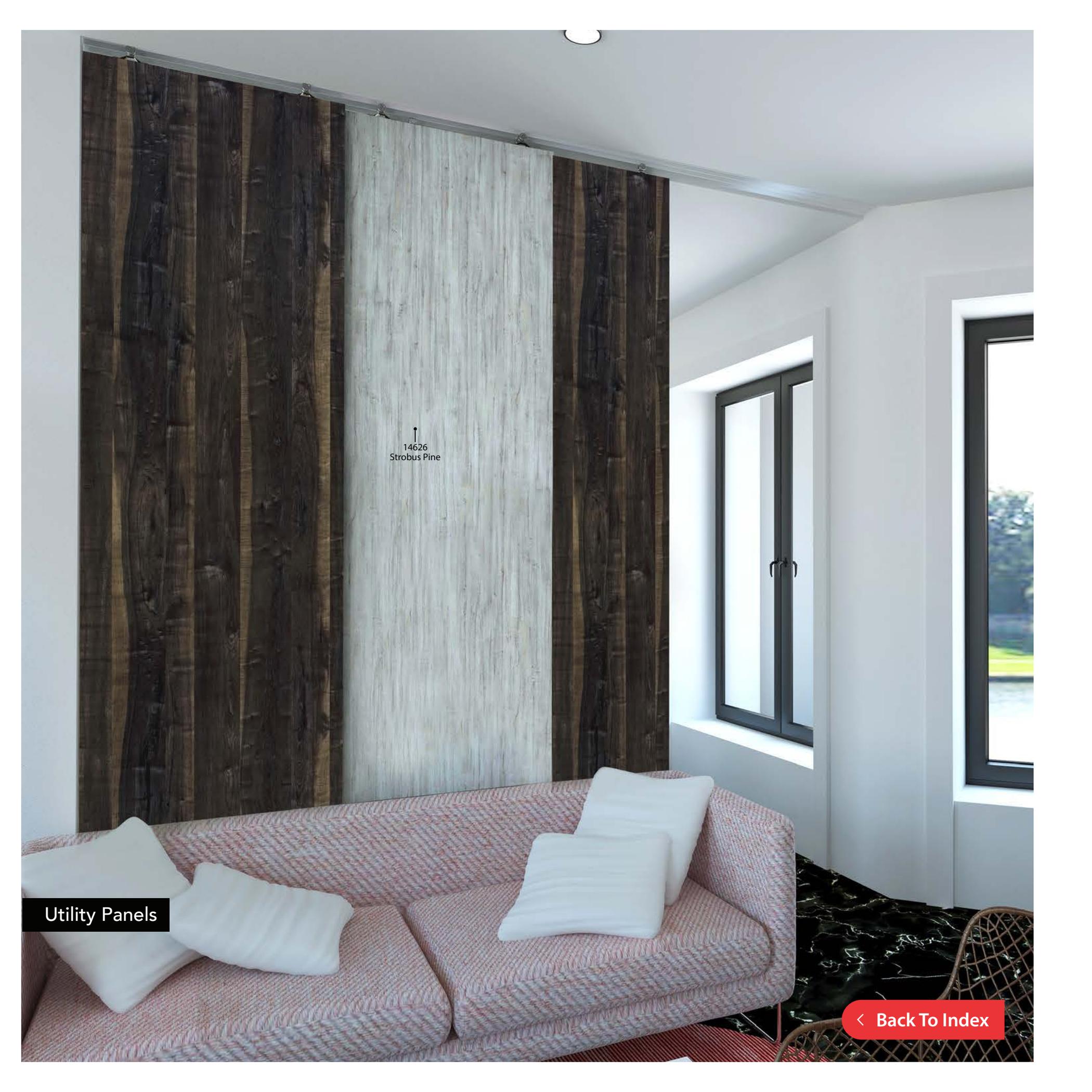


Cabinetry & Case Work

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Wall Panels



14626  
Strobus Pine

Utility Panels

[← Back To Index](#)



10145  
Red Oxford Cherry

## ***Un*-SCORCHED SECTORS**

FR+ laminates are self-extinguishable. Once the fire source is not in contact with the laminate, the fire subsides. This allows for timely evacuation in cases of fire hazards in multistoried buildings. It can be used in sectors like – multistorey buildings, healthcare, transport, sports, entertainment and public spaces.

Sports

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Multistorey Buildings



↑  
21171  
Polar White

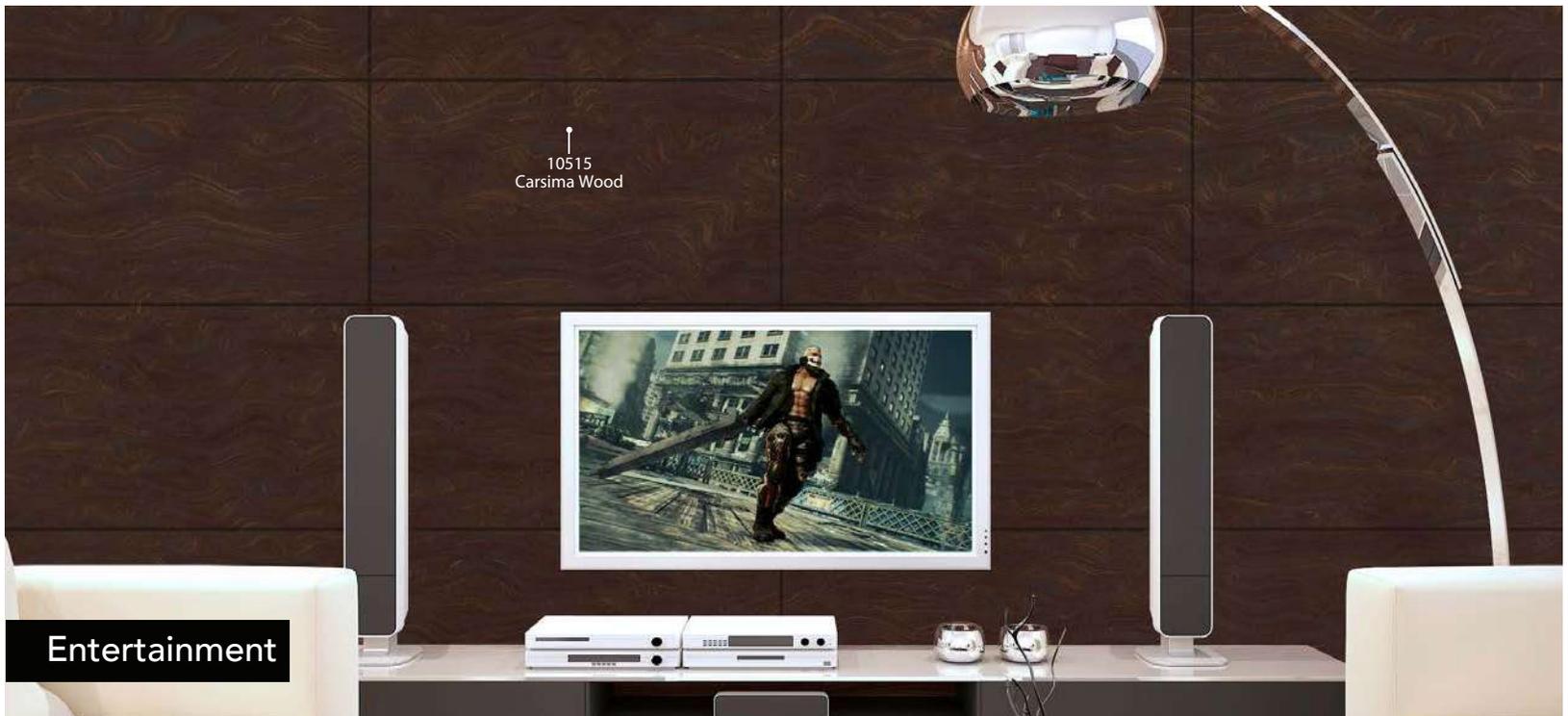
Healthcare

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Public Spaces

14614  
Penalas Cottage Pine



Entertainment

10515  
Carsima Wood

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14624  
Brown Woodscar

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## TEST REPORT

### ASTM E84-10

Test Specimen	Flame Spread Index	Smoke Developed Index
Fiber-Reinforced Cement Board, Grade II Red Oak Flooring	0 100	0 100
Design No. 21069 — FR Grade HPL	15	40

Class A	0 - 25 Flame Spread Index	0 - 450 Smoke Developed Index
Class B	26 - 75 Flame Spread Index	0 - 450 Smoke Developed Index
Class C	76 - 200 Flame Spread Index	0 - 450 Smoke Developed Index

Class A, B, and C correspond to Type I, II, and III respectively in other codes.

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# AVAILABILITY MATRIX

Product	Thickness	Sizes	Finishes	Designs
FR+	0.7mm & Above	As per below sheet	As per below sheet	Our complete design range with 50 sheets MOQ as per availability in sizes

# FINISH AND SIZE MATRIX

MERINO FINISHES	AVAILABLE SIZES (MM) WIDTH X LENGTH									
	1220 x 2440 4 x 8 feet	1220 x 3050 4 x 10 feet	1300 x 2440 4.3 x 8 feet	1300 x 2800 4.3 x 9 feet	1300 x 3050 4.3 x 10 feet	1550 x 2440 5 x 8 feet	1550 x 3660 5 x 12 feet	1550 x 4300 5 x 14 feet	Compact Only 1830 x 3660 6 x 12 feet	1830 x 4300 6 x 14 feet
Bark (BRK)	Y									
Cement (CMT)	Y					Y	Y			
Classic Leather (CLR)	Y	Y								
Chimera (CMR)	Y									
Crossfire (CFR)	Y	Y								
Drizzle (DZL)	Y									
Drymatt (DMT)	Y									
Fabric (FB)	Y									
Flicker (FK)	Y	Y								
Galactic (GLT)	Y				Y		Y			
Grains (GRN)	Y									
Hi-Gloss (HGL)	Y	Y		Y	Y	Y	Y			
Horizon (HRZ)	Y									
Impression (IMP)	Y									
Linen (LNN)	Y									
Matt (MT)	Y	Y	Y	Y	Y			Y		
Microline (ML)	Y									
Monte (MNT)	Y									
Opal (OPL)	Y				Y	Y	Y			
Parish (PRH)	Y									
Sandstone (SV)					Y		Y			
Sawcut (SCT)	Y									
Streak (STK)	Y									
Suede (SF)	Y	Y	Y		Y	Y	Y		Y	Y
Valley (VLY)	Y									
Veneer (VNR)	Y									
Venza (VNZ)	Y									
Vertiline (VL)	Y									
Wave (WV)	Y						Y			
Whitney (WTN)	Y									
Jewel (JW)	Y									
XT Matt (XMT)	Y									

\*Door Size

915 x 2135 (mm) width X length also available in Suede Finish

980 x 2180 (mm) width X length also available in Matt Finish

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# Test Values of Merino FR+ Grade Laminate as per (EN438-3)

Properties	Test Method as per EN 438-2 Clause No.	Property or attribute	Unit (max or min)	Values as per EN 438-3	Merino Value
Thickness Maximum Variation	5		mm	±0.10mm	±0.10mm
Length & Width	6		mm	+10mm -0.0mm	+10mm -0.0mm
Density	EN ISO 1183	Density	g/cm <sup>3</sup>	≥1.35	>1.35
Resistance to Surface wear	10	Wear Resistance	Revolution (min)	≥350	>400
Resistance to Impact by Small diameter Ball	20	Spring Force	N(min)	≥20	>20
Resistance to Scratching	25	Force	Rating (see annex a)	3	≥3
Dimensional stability at elevated temperature	17	Cumulative dimensional change	% long % Cross	≤ 0.55 ≤ 1.05	<0.45 < 0.90
Resistance to immersion in boiling water	12	Appearance	Grade (min) Gloss Finish Other finishes	3 4	>3 >4
Resistance to dry Heat at 180°C	16	Appearance	Grade (min) Gloss Finish Other finishes	3 4	>3 >4
Resistance to Staining	26	Appearance	Rating Group-1&2  Group-3	≥5  ≥4	5  ≥4
Resistance to water vapor	14	Appearance	Grade (min) Gloss Finish Other finishes	3 4	>3 >4
Light Fastness ( Xenon arc)	27	Contrast	Gray Scale Rating	4 to 5	>4
Resistance to cigarette burn	30	Appearance	Grade (min)	3	>3
Resistance to Cracking under stress	23	Appearance	Grade (min)	4	>4

\*\* For fabrication, Care & maintenance refer our website

## Limited warranty

Merino Industries Limited & Merino Panel Product Ltd. warrant that, under normal use & service, the material & workmanship of their products shall conform to the standards set forth on the applicable technical data sheet for a period of twelve (12) months from the date of sale to the first consumer purchaser. Dealers & distributors are provided with the technical data sheets, which contain specific standards of performance of the product. In the event that a Merino Industries Limited or a Merino Panel Product Limited product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use the product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of Merino Industries Limited and Merino Panel Product Limited has the authority to modify the obligation or limitation of this warranty.

## **MERINO INDUSTRIES LTD.**

**INDIA: P:** +91 11 45557000 **E:** merinodelhi@merinoindia.com

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**UAE: E:** merinouae@merinoindia.com

[www.merinolaminates.com](http://www.merinolaminates.com)



ECONOMY • EXCELLENCE • ETHICS

where design meets functionality



**HARMONY**  
*co-ordinated surfaces*





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## Disclaimer

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Design Range & Finishes are subject  
to change without prior notice.  
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◆ **About Harmony** >

◆ **Availability Chart** >

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◆ **Design Range - Oak** >

◆ **Design Range - Pine** >

◆ **Design Range - Tropical** >

◆ **Design Range - Fifth Harmony** >



## ABOUT

# *merino group*

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



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## *introducing harmony*

Harmony is a range of coordinated surfaces comprising parched, authentic, and natural designs. The surfaces primarily feature matt or textured linear finish to add to the natural look and feel. The colour palette is heavily influenced by black, grey and beige.



**DOUBLE SIDED MELAMINE  
FACED CHIPBOARD**

AVAILABLE THICKNESS (mm)  
9mm, 16mm AND 18mm

SHEET SIZE (mm)  
1220x2440, 1220 x2850

THESE ARE THERMALLY FUSED  
LAMINATED PANELS: 17 CURATED  
DESIGNS IN 2  
EXCLUSIVE FINISHES.

\*AVAILABLE FINISHES: STREAK AND SUEDE



**HIGH PRESSURE  
LAMINATES**

AVAILABLE THICKNESS (mm)  
0.7mm TO 1.2mm

SHEET SIZE (mm)  
1220x2440 , 1220 x2850

MATCHING HPL DESIGNS &  
FINISHES, TO GIVE  
THAT PERFECT  
CO-ORDINATED SURFACES



**COMPACT  
LAMINATES**

AVAILABLE THICKNESS (mm)  
3 mm TO 25mm

SHEET SIZE (mm)  
1220x2440

DUAL SIDED SOLID  
COMPACT LAMINATES IN  
ALL DESIGNS AND FINISHES  
GIVES THAT EXTRA EDGE

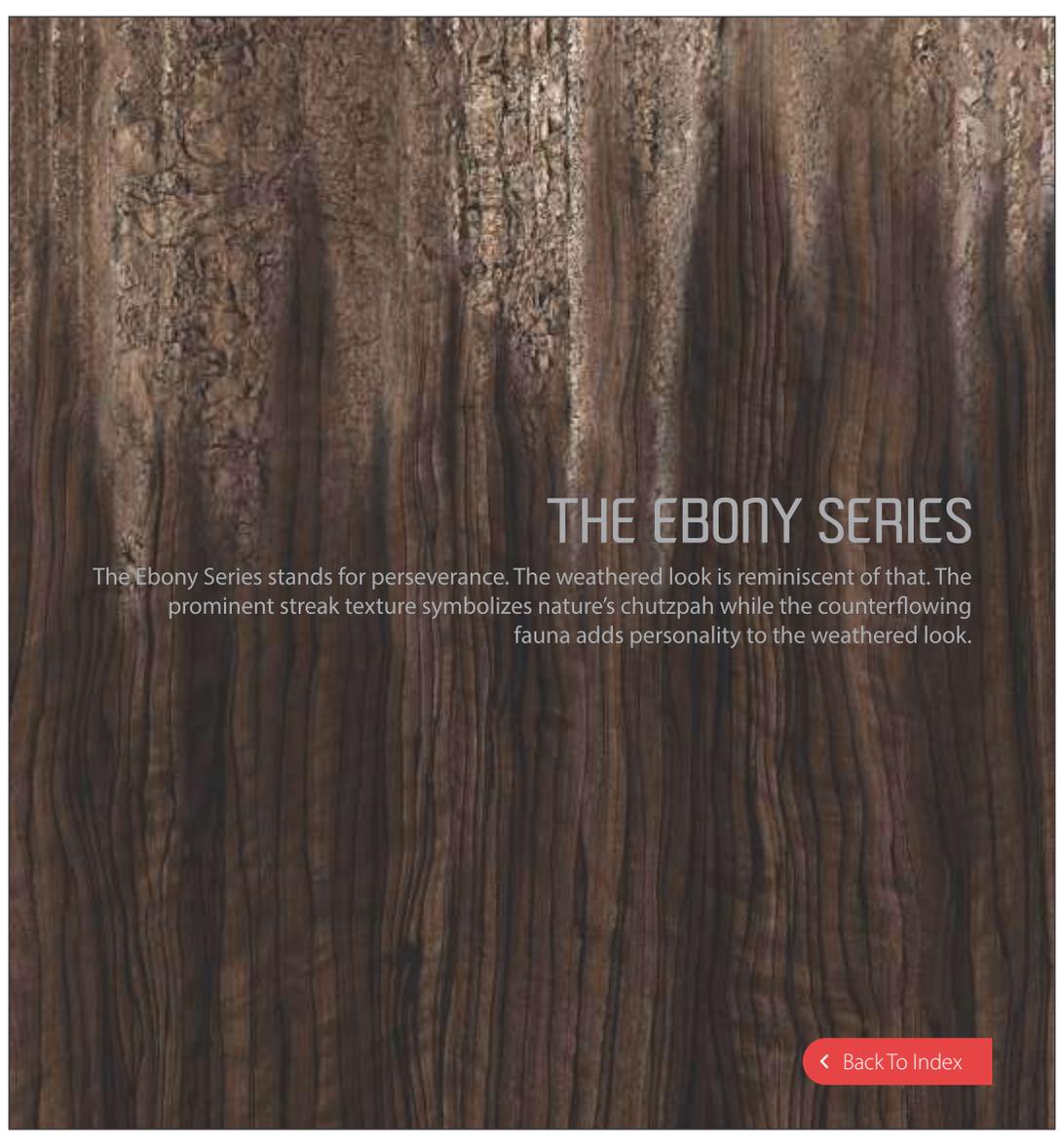
**EDGE  
BANDING**

AVAILABLE SIZE (mm)  
22mm x 0.8mm

\*OTHER SIZES AVAILABLE  
ON ORDER

ONLY PERFECTLY MATCHED EDGE  
FINISHES RESULT IN PREMIUM  
IMPRESSION OF END PRODUCT.  
MATCHING EDGEBANDS IN ALL  
DESIGNS & FINISHES

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## THE EBONY SERIES

The Ebony Series stands for perseverance. The weathered look is reminiscent of that. The prominent streak texture symbolizes nature's chutzpah while the counterflowing fauna adds personality to the weathered look.

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**EBONY**

**14675 Ebony Sepia**

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**EBONY**

**10196 Celtic Ebony**

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**EBONY**

**14673 Ebony Aspen**

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# THE OAK ENSEMBLE

The design captures the beauty that lies in austerity. The faults, cracks and leaching of this stained oak show signs of natural wear and tear. The random appearance of the original color adds class to the design.

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OAK

**14616 Cezarus Kraft Oak**

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OAK

**14694 Black Rioja Oak**

[< Back To Index](#)



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OAK

**14693 Smoked Rioja Oak**

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OAK

# 10597 Weathered Pike Oak

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OAK

**10879 Silver Legno Oak**

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OAK

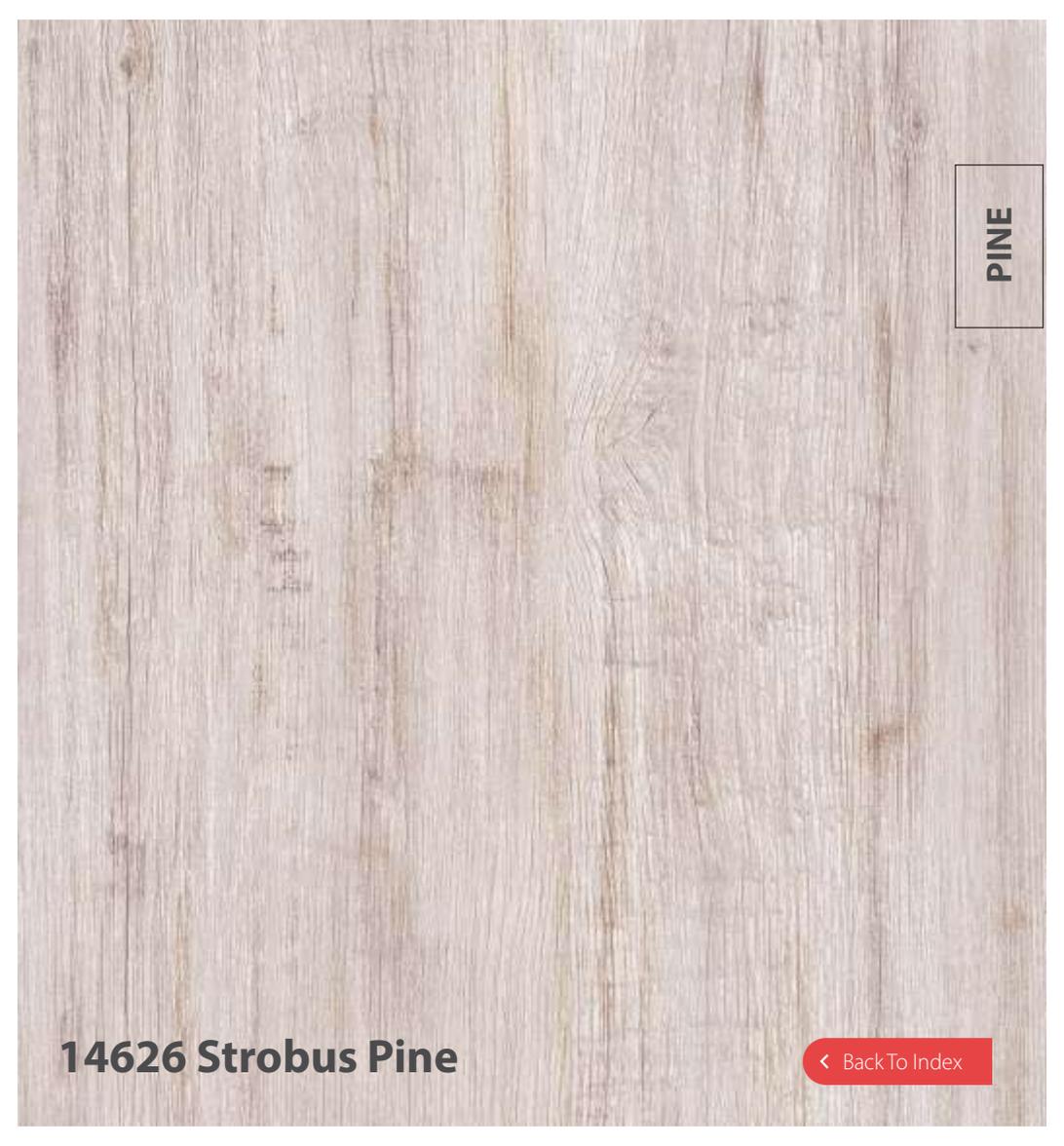
**14617 Brescan Kraft Oak**

[◀ Back To Index](#)

# THE PINE COLLECTION

The Pine Collection stands for serenity. The Swiss Stone Pine with grains as clear as a mountain stream. The multifaceted play of color with knots as contrast points deliver a calming aura to the surface. It's ideal for large furniture fronts.

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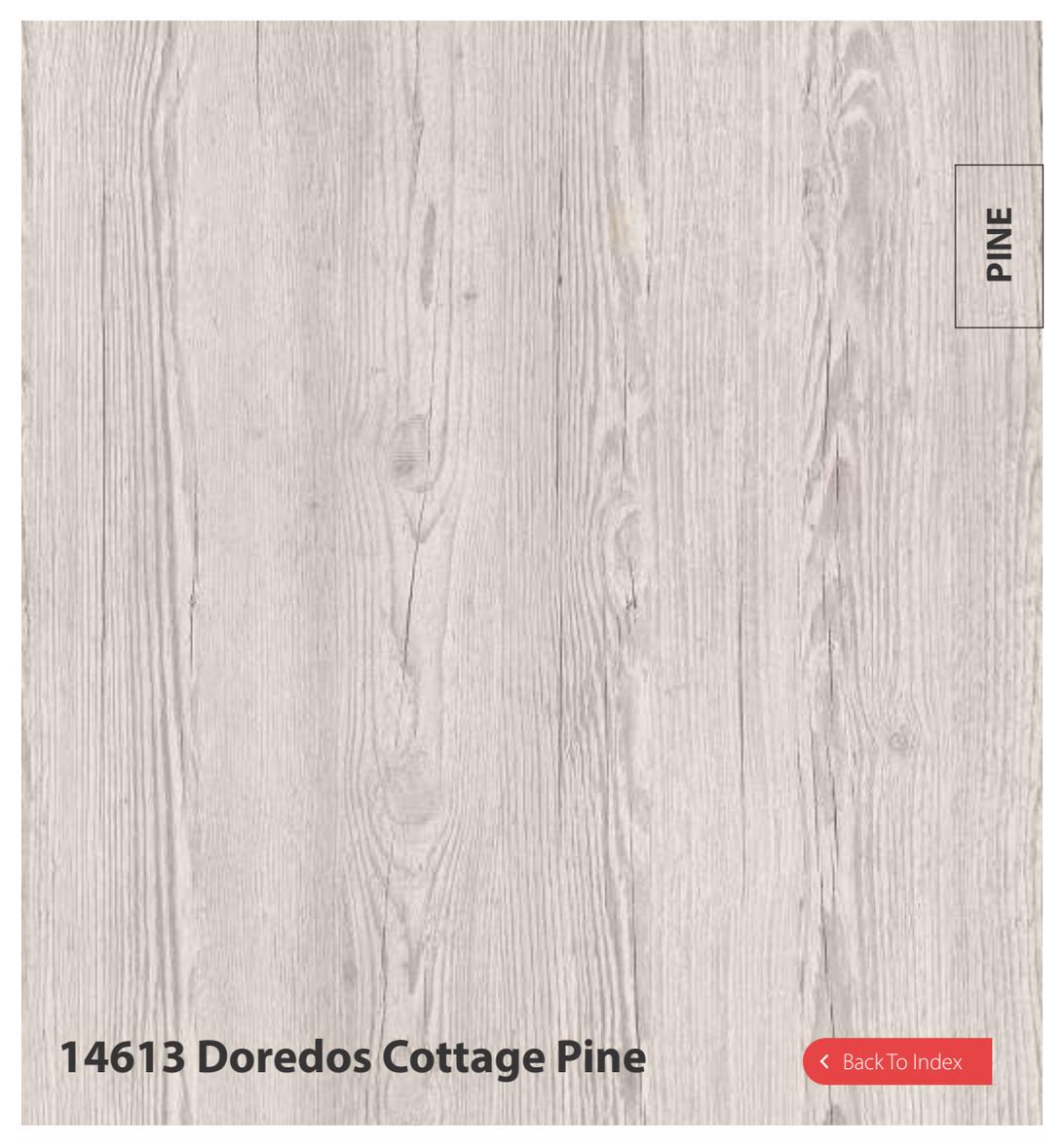
**PINE**

**14626 Strobis Pine**

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**PINE**

**14613 Doredos Cottage Pine**

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# THE TROPICAL MEDLEY

The Tropical Medley stands for warmth. Inspired from the plants that thrive in tropical regions, this collection features exotic wood patterns blended in European style. The presence of cut flowers and light-dark variations, the range breaks the monotony of a space.

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TROPICAL

**14809 Russet Tropical**

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[← Back To Index](#)

TROPICAL

**14811 Taupe Tropical**

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# THE FIFTH HARMONY

The fifth harmony is a fusion of nature's several visual melodies. On one hand, they are reminiscent of Japanese minimalism, and on the other hand they showcase Nordic influence. The discerning variety is characterized by what it's made of - delicate and simple Kraftwood.

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**THE FIFTH  
HARMONY**

**10573 Electric Moon**

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THE FIFTH  
HARMONY

**49931 Alumina Pearl**

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THE FIFTH  
HARMONY

**44753 Hazel Cambric**

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THE FIFTH  
HARMONY

**10186 Canella Rio**

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ECONOMY ♦ EXCELLENCE ♦ ETHICS

# IMAGINO

CUSTOMIZATION  
MAKES THE  
DIFFERENCE.



UNBELIEVABLE SURFACES  
*by Merino*

## **Disclaimer**

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◆ [Applications](#) >

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◆ [Instruction to customize](#) >

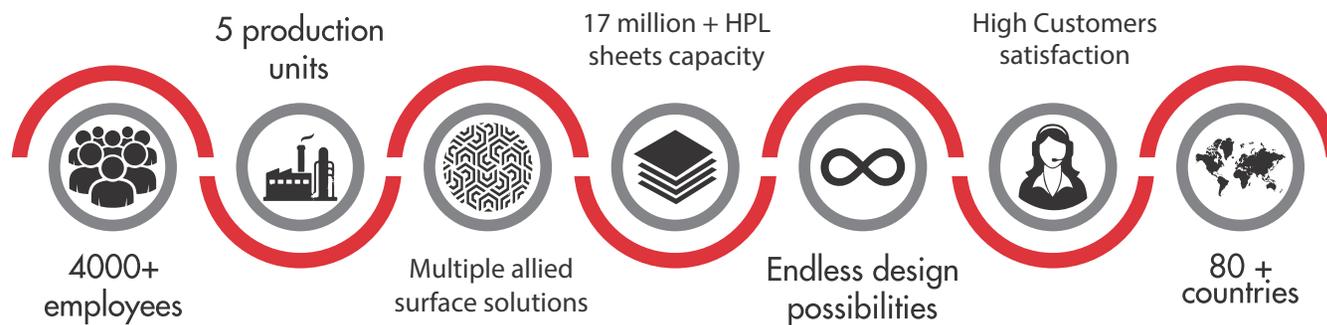
◆ [Technical Data](#) >

◆ [Warranty](#) >



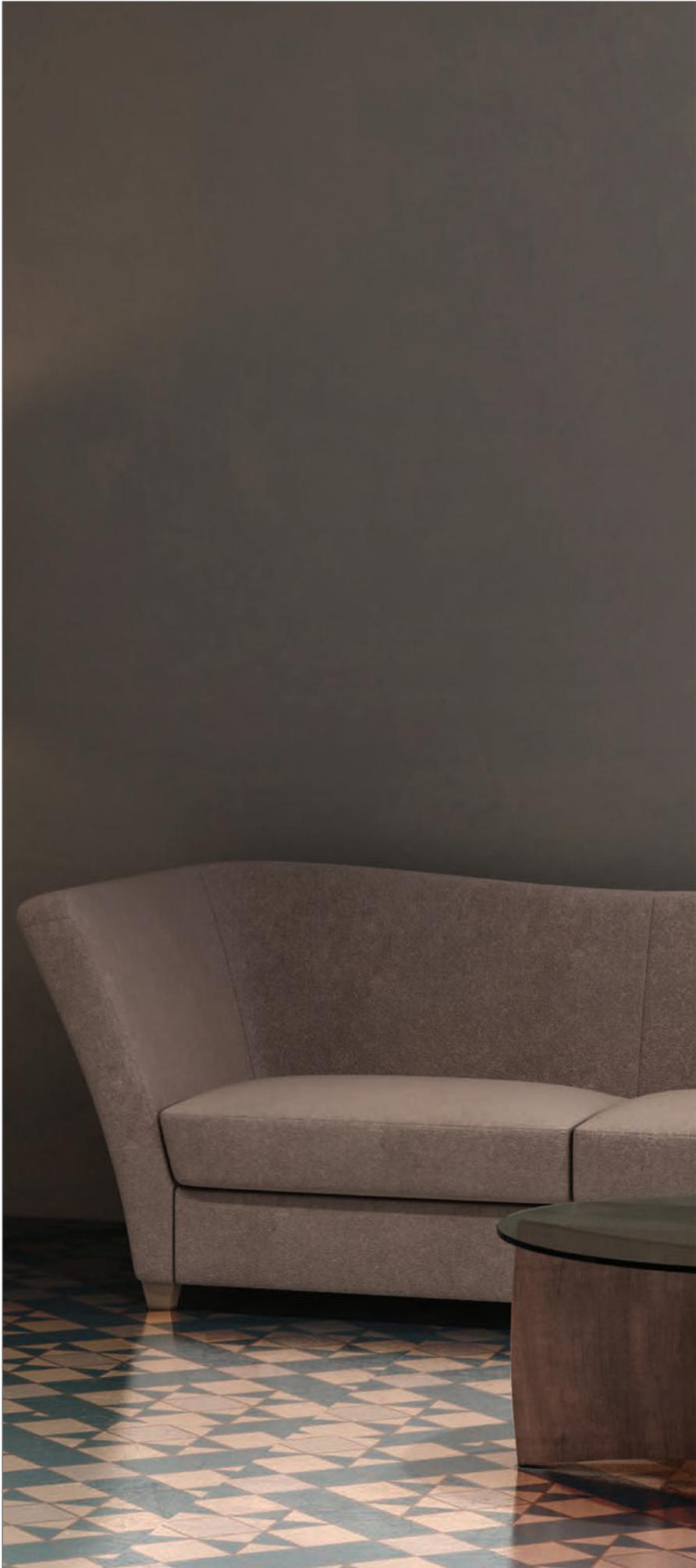
## ABOUT MERINO

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



## CERTIFICATIONS

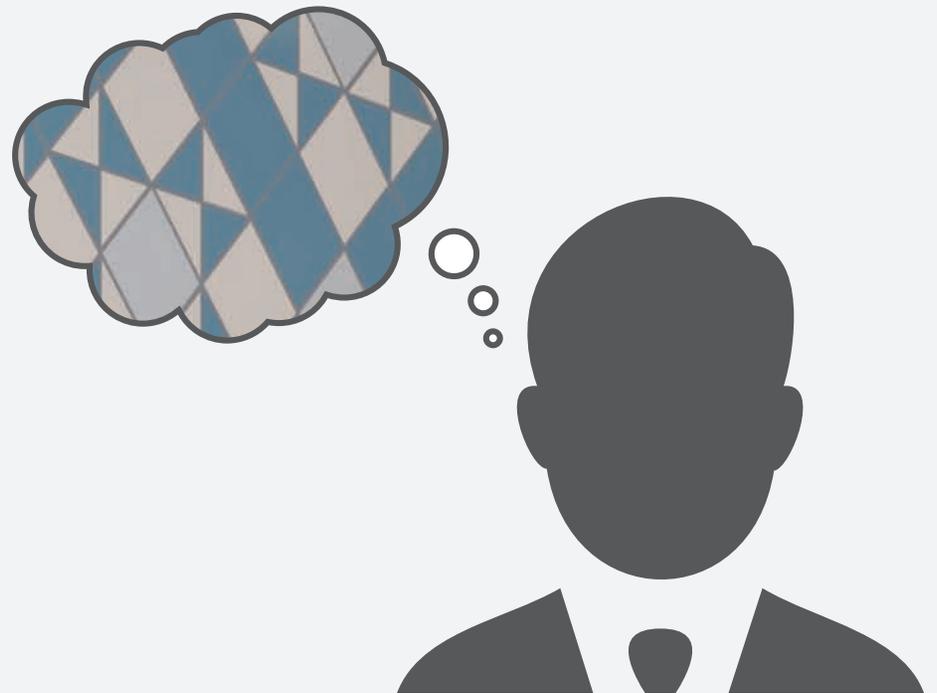




## THE *Un*-COMMON IMAGINO

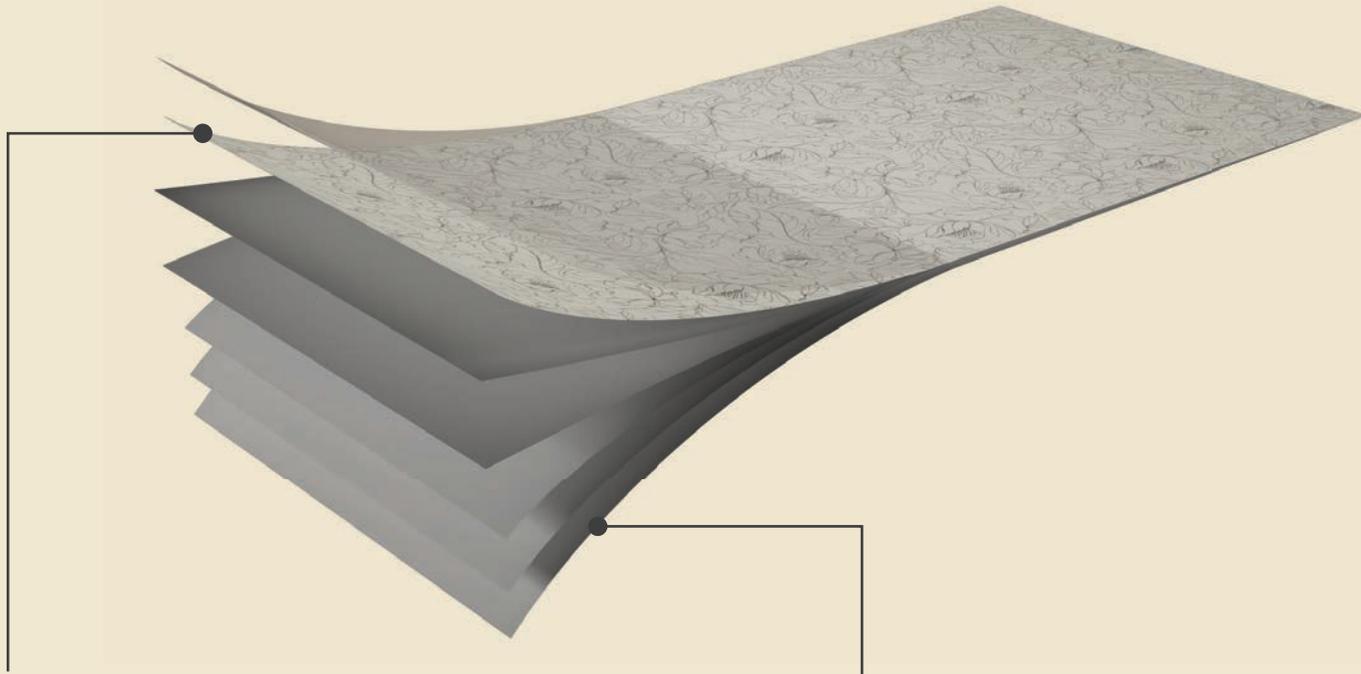
**Digitally customized laminates.**

If you want to cherish a picture of your loved ones forever or highlight a wall with your favourite pattern, or simply showcase a name – laminate it however you like it with Merino's Imagino. Customize your tabletops and walls with an image of your choice and replicate on various surfaces or use a portion of the image to focus on a particular part. Imagino lets you play with endless colours, unique designs, vivid textures, exotic aesthetics, and patterns to give a personalised touch to your home décor. Unleash your creative freedom for customization with Merino's Imagino.



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## Un-COMMON COMPOSITION



### TREATED DÉCOR LAYER

Impregnated with specially modified Melamine Formaldehyde Resin, the specially printed decor paper allows for expression of creativity

### TREATED KRAFT LAYER

High quality Craft Paper impregnated with Phenol Formaldehyde Resin is used as the core of the laminate and provides strong substance to Imagino's beauty.

## Un-COMMON FEATURES



CUSTOMIZABLE



SCRATCH RESISTANT



DRY HEAT RESISTANT



MOISTURE RESISTANT



IMPACT RESISTANT



STAIN RESISTANT

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## Un-COMMON APPLICATION

For both horizontal and vertical surfaces.



### For the colourful ones

If you are a lover of hues, we will fill your space with patterns and colours that will bring your imagination alive.

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### **For the sporty ones**

If you are full of energy and a sports enthusiast, we will infuse your space with the same mojo.



### For the 9 to 5 ones

If you love those working hours and wish to revitalise, we will fill your space with patterns that speak of your work ethics.



### For the creative ones

If you love to get those creative juices flowing, we will drape your space with surfaces that portray your imagination.



### For the social ones

If you love to feed people, we will decorate your place with quaint visuals that truly represents your welcoming spirit.



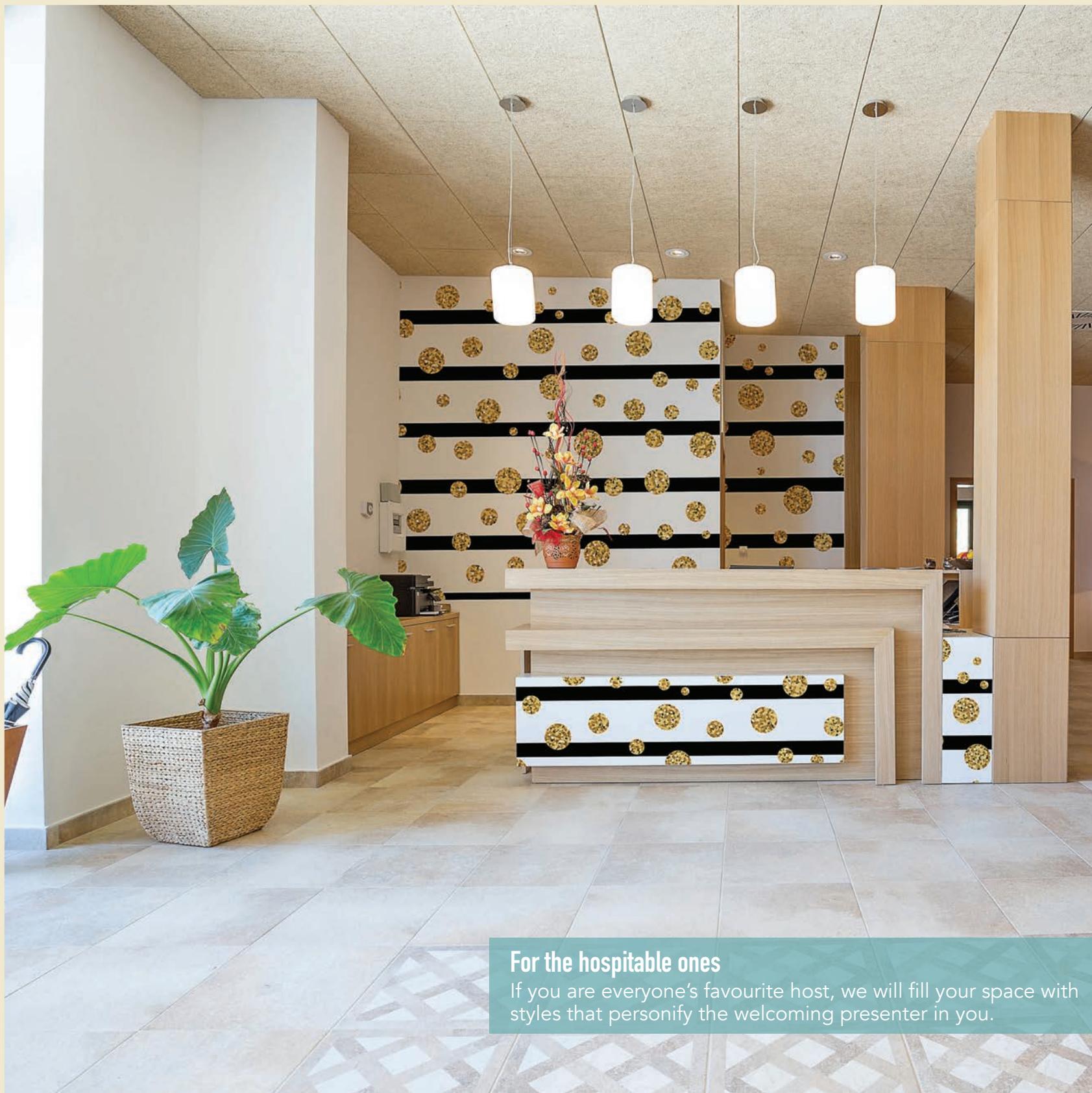
### For the little ones

Invigorate your kids' life as we will decorate their living spaces with playful colours and vibrant designs that speak aloud about their limitless imagination.



### For the trendy ones

If you are a hoarder of fashion magazines, we will paint your space with contemporary designs and trendy patterns.



### For the hospitable ones

If you are everyone's favourite host, we will fill your space with styles that personify the welcoming presenter in you.



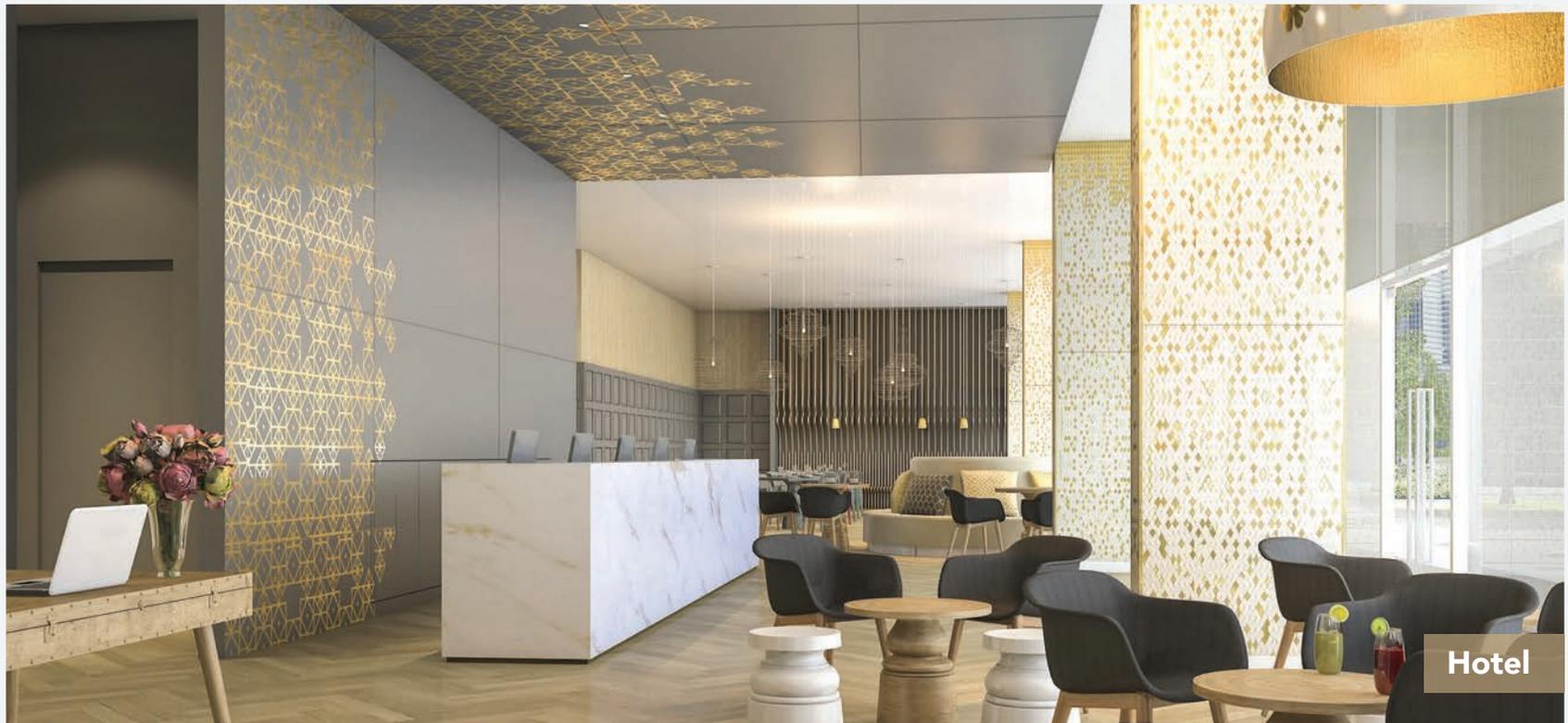
### For the passionate ones

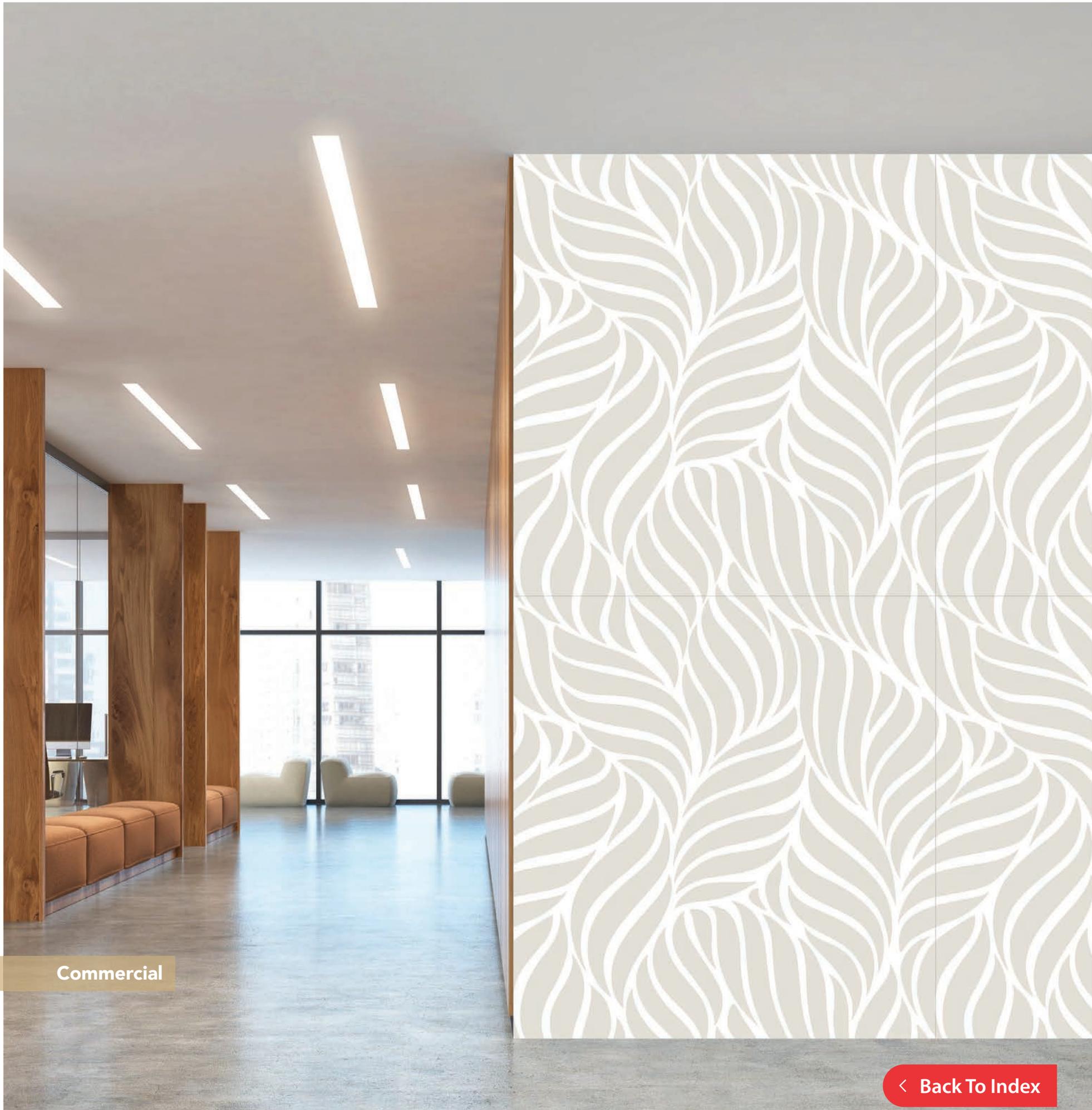
If you love to showcase your passion to the world, then we will adorn your space with impressions that speak of you and your talent.

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## Un-COMMON SECTORS

Merino Imagino is designed to suit your imagination. Choose an image from anywhere or just click one, use a part or the entire image - whichever way you want it, we will laminate it. This is why Merino Imagino can be used in sectors like – premium residential, commercial, retail and wellness centres.



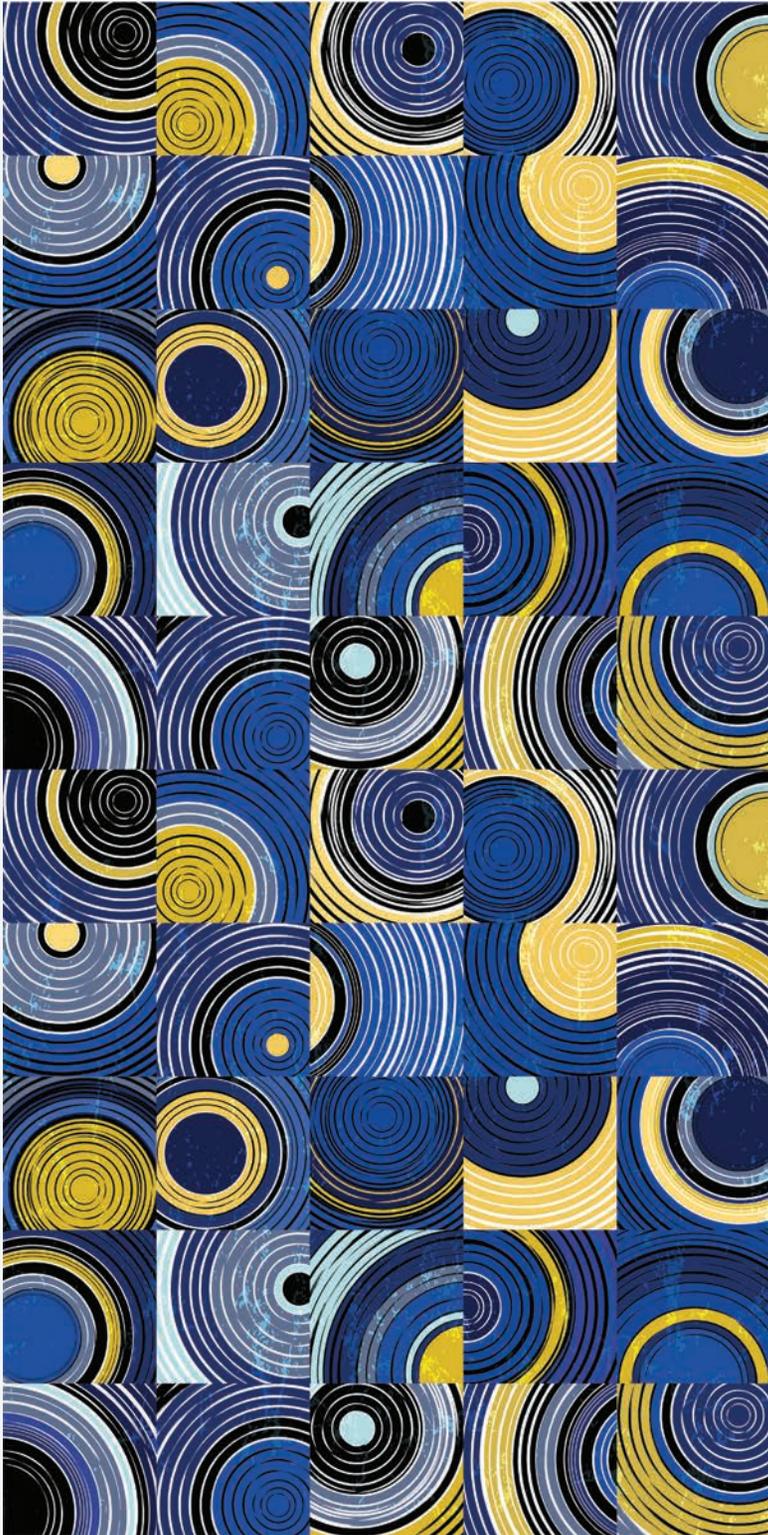


Commercial

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## Un-COMMON RANGE



85038 Quad Disc



85040 Blue Mesh

Designs displayed are compressed to show full size image. Physical sample for representation only.

## Un-COMMON RANGE



85041 Graffito



85042 Comp Disc

Designs displayed are compressed to show full size image. Physical sample for representation only.



Premium Office

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## Un-COMMON RANGE



85043 Fossil



85046 Lupine

Designs displayed are compressed to show full size image. Physical sample for representation only.

## Un-COMMON RANGE



85045 Garden



85044 Primrose

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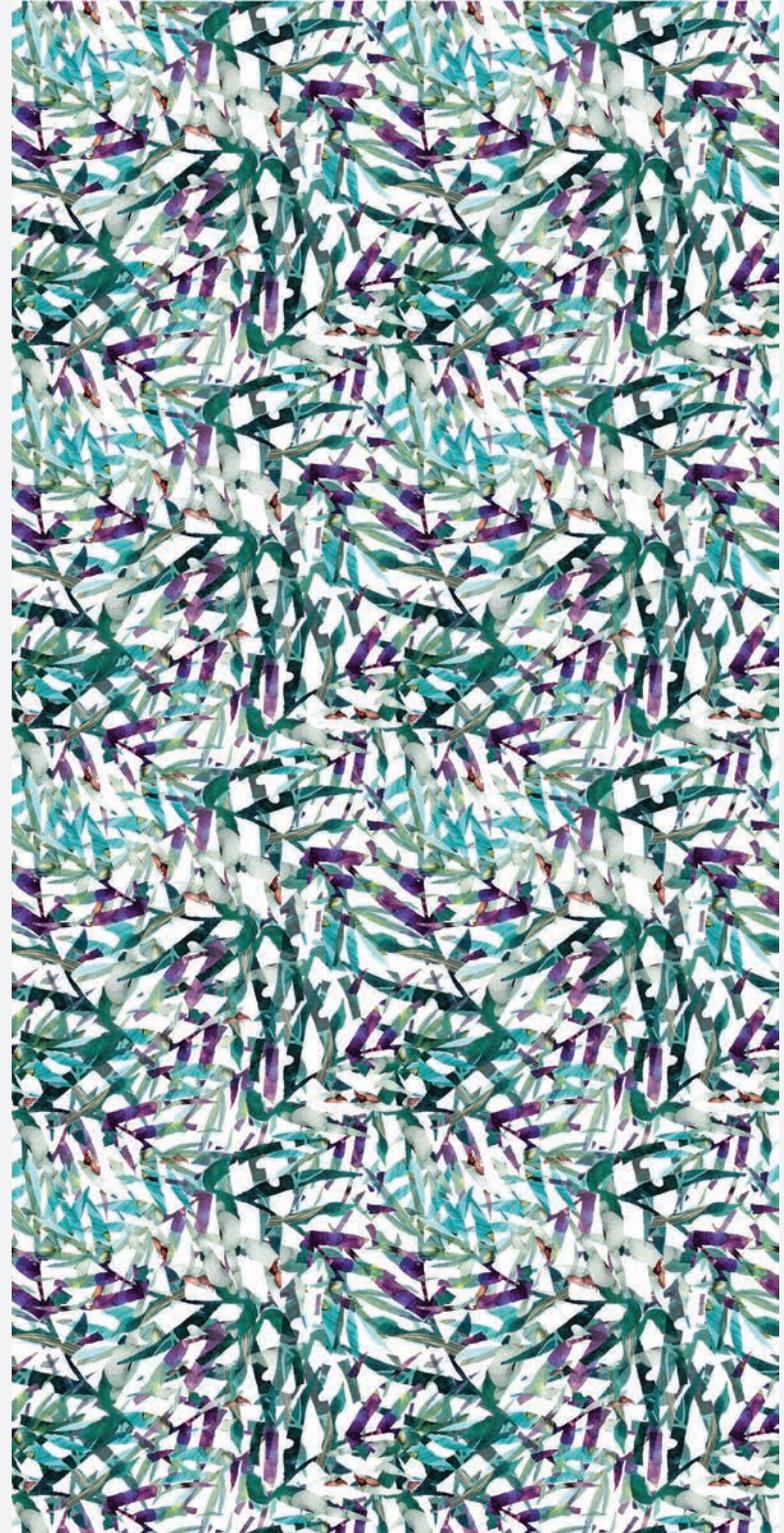
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85047 Rainbow



85048 Garland

Designs displayed are compressed to show full size image. Physical sample for representation only.

## Un-COMMON RANGE



85049 Canna Lily



85050 Daisy

Designs displayed are compressed to show full size image. Physical sample for representation only.

*Un*-COMMON RANGE



85056 Droplets



85057 Doodle

Designs displayed are compressed to show full size image. Physical sample for representation only.



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**Un-COMMON RANGE**



85058 Jungle



85059 Balsky

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## Un-COMMON RANGE



85060 Cacography



85061 Sailor

Designs displayed are compressed to show full size image. Physical sample for representation only.

# HOW TO CUSTOMIZE

## Image Sharing

- All files should be submitted on [www.merinolaminates.com/imagino.php](http://www.merinolaminates.com/imagino.php). Contact the Imagino help team at [imagino@merinoindia.com](mailto:imagino@merinoindia.com) for assistance.



## A. Format Requirements

- Submissions are preferred in .eps, .ai, .indd, .tiff, or .psd formats from Adobe Suite.
- Necessary fonts and links of the original document are a prerequisite. Raster (image) artwork is required in .tiff format.
- Submissions should be in CMYK format. 10% to 100% scale of the artwork is suggested. Minimum acceptable resolution (even when working at 10%) - 100 dpi.



## • Artwork processing information & recommendations:

- Black CMYK values: C65 M53 Y51 K100
- Fonts should be separately provided or traced out. (Zip the file while sending to avoid corruption)
- 100 dpi resolution acceptable for considerably large murals. (Please contact the Imagino team for further details).
- Specify bleed of 5mm around each image.
- Print in white required for - Vector - spot colour, Raster - alpha channel.
- You must have the copyrights of the image supplied to us. An IP (intellectual property) agreement will be included to abide by the copyright laws.



## B. Advance Approval of Sample

- All projects will be sampled for client's visual approval.
- Digital output samples or silk-screen colour match samples should be approved by both the designer and the client.
- Sample size will vary depending on the project.



## C. Printing & Manufacture

- Upon approval of layouts and samples, order will be accepted.
- Placed order information: Quantity, Grade, Surface Finish, Measurements, Indication of Protective Film (or not).



## D. Quality Control

The Imagino service team is accessible throughout to guarantee client processing of all projects. Assistance is accessible on matters from file creation or resourcing, to product requirements and applications.

## CONSIDERATIONS TO BE MINDFUL ABOUT

### • Alterations

If your submission demands alteration, kindly get in touch with the Imagino support team at [Imagino@merinolaminates.com](mailto:Imagino@merinolaminates.com). Production time may increase if guidelines are not observed by. The right is reserved to charge for additional artwork time when and if needed, any such costs will be sanctioned before processing.



### • Colour matching

- In case of no specific colour matching, printed proof samples should be provided.
- Take into account that colour matching can be a rigorous process due to the nature of the procedure and the range of achievable colours.
- Remember, in-house pigment mixed inks for silk-screen are better for exact colour system matches, digital print is restricted to inherent CMYK values and print settings.





## TECHNICAL SPECIFICATION

- Available in thicknesses from 0.7 mm to Compact 20 mm.
- Dimensions: 4 x 8 ft , 4 x 10 ft
- Finishes: Gloss (GL), Suede (SF), Matt (MT) & XT-Matt (XMT)\*.

\*\*Not Post-forming

\* XT Matt is available only in 4 x 8 ft. size

### Test Values of Imagino (Digital laminates) as per (EN438-3)

Thickness :0.7mm & above

Properties	Test Method as Per EN 438-2	Standard Result as Per EN 438-3	Test Result of MERINO
Design No./ Finish			85044/ Suede
Thickness Tolerance	Clause No.5	±0.10	0.04
Length & Width Tolerance	Clause No.6	+ 10mm	+05mm
		-0mm	-0mm
Resistance to Surface wear (Revolution Minimum)	Clause No.10	IP≥150	700
		FP	1150
		Wear Value ≥350	925
Resistance to immersion in Boiling water Appearance (Grade not worse Than)	Gloss	≥Rating -3	Rating-5
	Others	≥ Rating -4	
Resistance to Water Vapour Appearance (Grade not Worse than)	Gloss	≥ Rating -3	Rating-5
	Others	≥ Rating -4	
Resistance to Dry Heat at 180°C Appearance (Grade not worse Than)	Gloss	≥ Rating -3	Rating-5
	Others	≥ Rating -4	
Dimensional Stability at elevated temp. (Max. %)	Machine Direction	≤ 0.55%	0.39
	Cross Direction	≤ 1.05%	0.64
Resistance to Impact by Small – Diameter Ball	Clause No.20	≥ 20 N	30
Resistance to Cracking	Clause No.23	≥ Rating -4	Rating -5
Resistance to Scratching N (min)	Clause No.25	≥ Rating -3	Rating -3
Resistance to Staining (Grade not Worse than)	Group 1 & 2	≥Rating -5	Rating -5
	Group 3	≥ Rating -4	Rating -4
Resistance to Cigarette Burns Appearance (Grade not Worse than)	Clause No.30	≥ Rating-3	Rating-4

\*For fabrication, care & maintenance refer website.

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# MERINO IMPRESA

UNICOLOR CORE TOPS



DESIGNED TO  
*Outperform*



WORKTOP SOLUTIONS



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◆ Finishes & Certifications >

◆ Product Offering >

◆ Usage Size & Thickness >

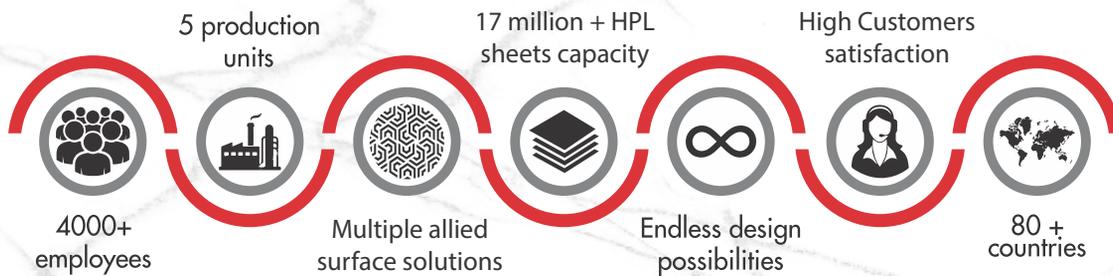


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ABOUT

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**MERINO**

**IMPRESA**

UNICOLOR CORE TOPS

DESIGNED TO  
*Outperform*

Merino brings you a collection of unique and versatile range of high performance ultrathin compact surfaces, carefully designed to maintain a uniform colour in its core. Unlike any other surface, these super slim compact surfaces are Engineered to Outperform.



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DESIGNED FOR MULTIPLE  
*applications*

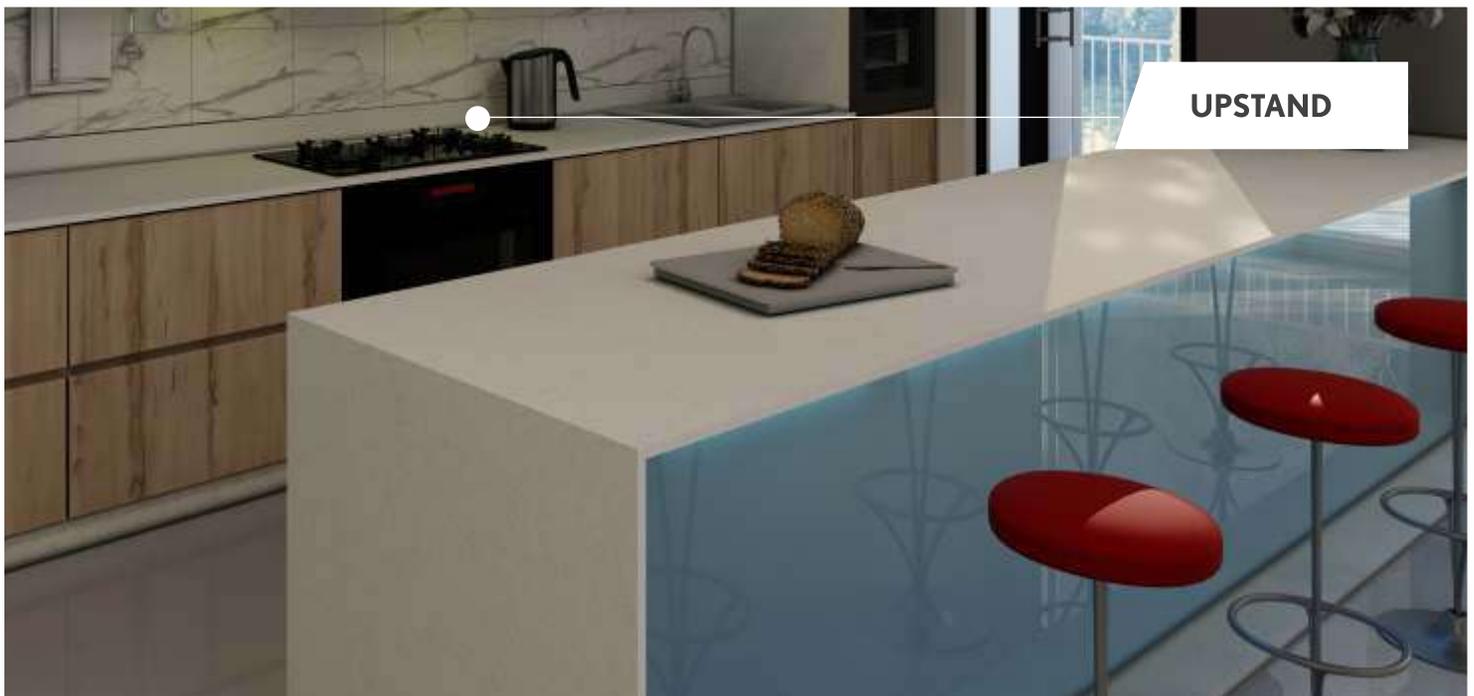
**WORKTOPS**



**BACKSPASH**



These Unicolor Core compacts come in variety of exclusive designs with application for Countertops, Breakfast counters, Backsplash and Upstand. Its sleek look makes it impressively elegant and its performance exceeds any traditional marble, granite or man-made surface like acrylic stone.



**UPSTAND**



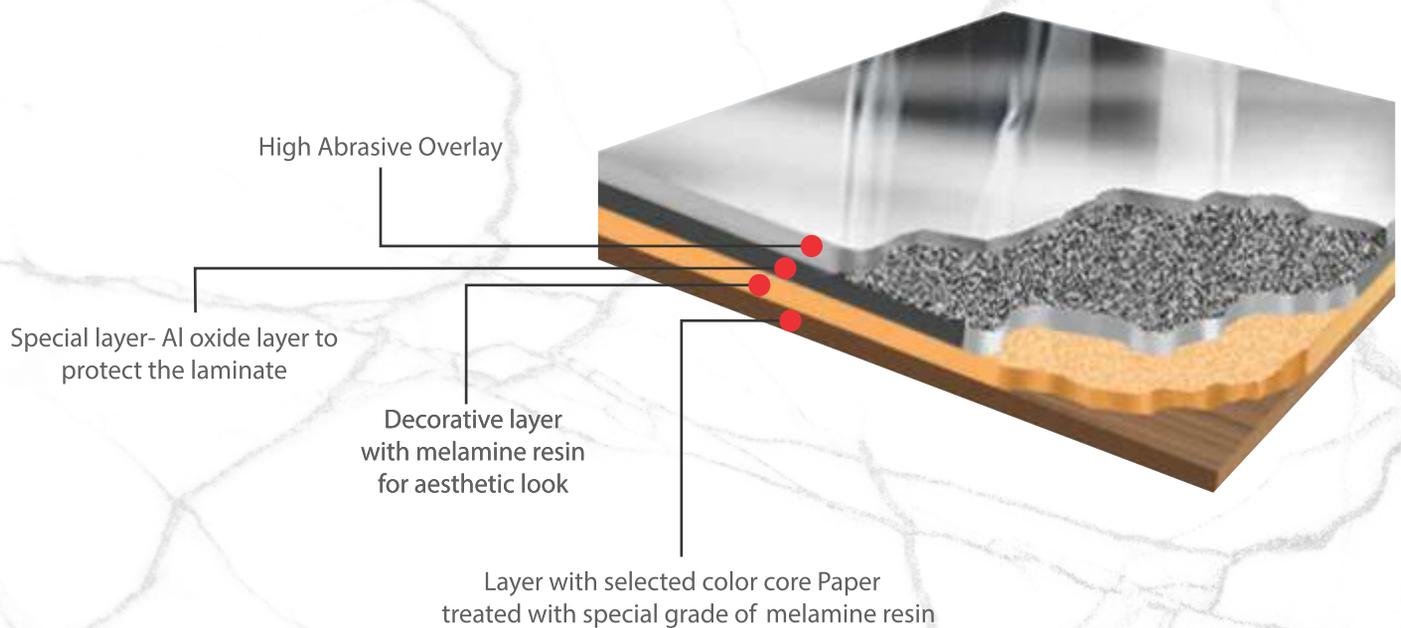
**BREAKFAST BARS**

DESIGNED WITH  
*superior*  
PERFORMANCE TECHNOLOGY

Technology, exclusively engineered by Merino creates a surface that is dramatically more durable than competitive products - a surfaces that keeps its good looks longer. It gives 2-3 times better Abrasion and scuff resistance than normal compact.

Impreza unicolor core comprise of layers of resin-treated papers, processed under high heat and pressure to create a strong, flexible decorative surface. Our EP+ (Enhanced Performance) revolutionizes the production process of Impreza.

EP+ technology deposits Aluminium Oxide particles in overlay layers for superior durability, scratch/scuff/mar resistance, print fidelity and color saturation



WORKTOP RANGE  
*enhanced*  
PERFORMERS



HYGIENIC



MOISTURE  
RESISTANT



IMPACT  
RESISTANT



STAIN  
RESISTANT



DRY HEAT  
RESISTANT



WEAR  
RESISTANT  
(Up to 3 times that of  
normal laminate)

DESIGNED TO BE  
*customised*

Impreza offers a host of other design enhancing features for complete flexibility to create a design exactly suited to your space. Easy on site installation ensures large saving in time and cost.



### Undermount Sinks

Impreza is the ideal material for fitting under mount sinks thanks to its water resistant solid core. A great & practical way to finish the look is the addition of drainer grooves, which are easily machined on site.



### Curves

Incorporate the sleek flow of curves for a truly stunning finish to any design. With no re-edging required thanks to the matching Color core, external curves can easily be incorporated on site, or utilize our pre-curved corner module for an incredibly simple internal curve solution.



### Tiling

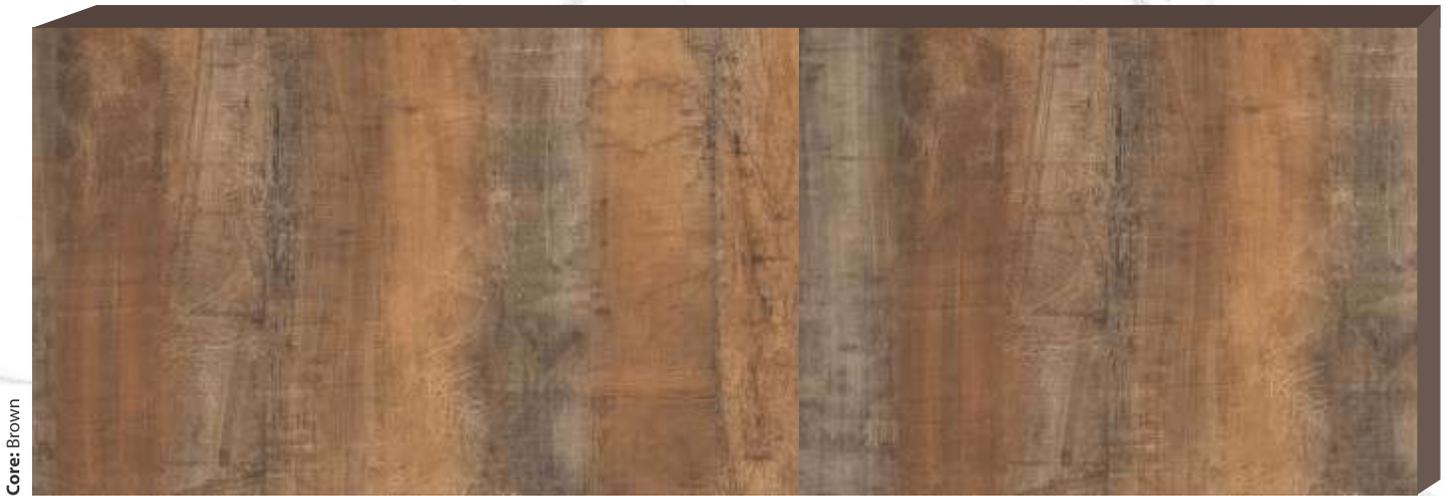
This would be primarily used for backsplashes and the shower enclosures .



**IMPREZA DESIGN**

*collection*

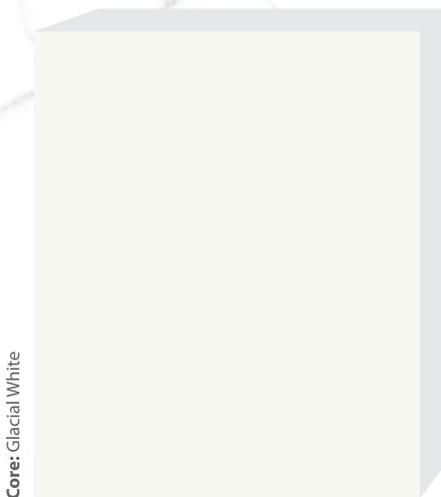
**WOODGRAIN**



Core: Brown

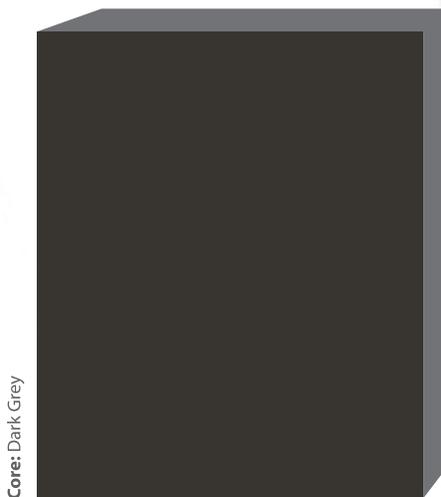
**14685** Intorta Wood

**SOLIDS**



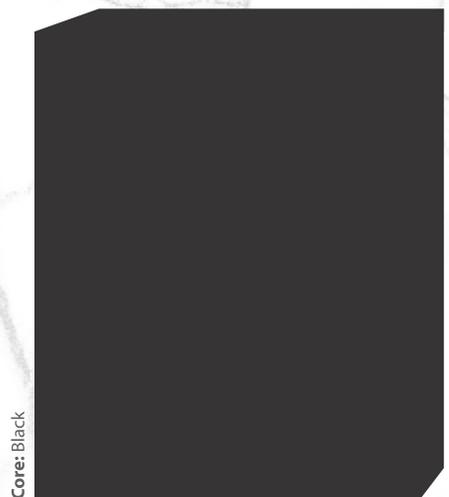
Core: Glacial White

**21741** Designer White



Core: Dark Grey

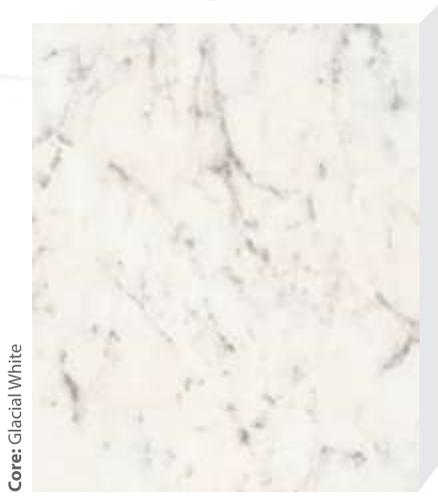
**22099** Slate



Core: Black

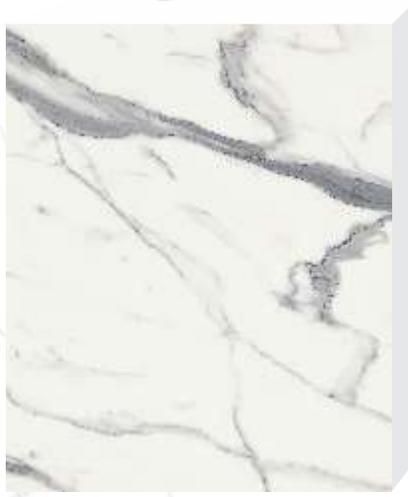
**21066** Black

## STONES



Core: Glacial White

**40475** Blanco Ibiza



Core: Glacial White

**40477** Blanco Carrara



Core: Glacial White

**40001** Cloud Terrazzo



Core: White

**40215** Sunset Marble



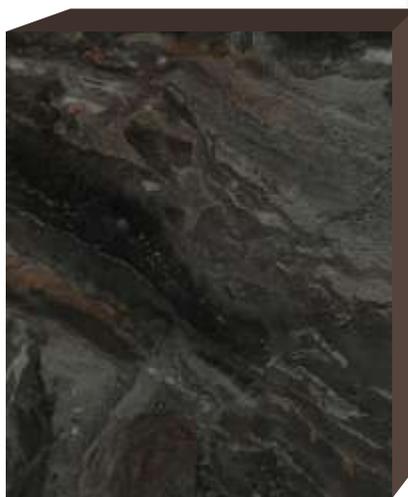
Core: Light Grey

**40002** Caster Terrazzo



Core: Dark Grey

**40476** Duskberg Marble



Core: Brown

**40265** Ashes Granite



Core: Black

**40478** Barmer Dark Marble

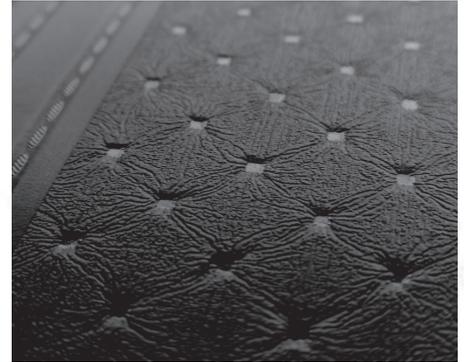
## SURFACE FINISHES



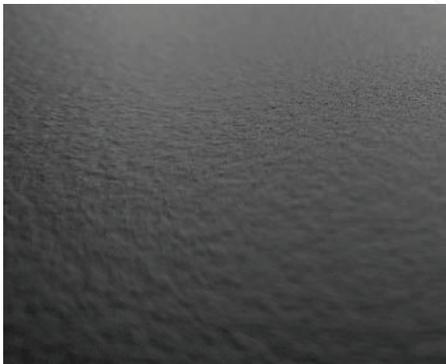
Sandstone



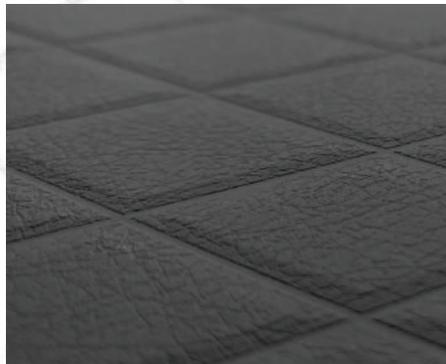
Galactic



Napa Leather



Suede



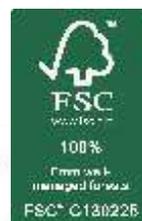
Jewel



Matt

# *certified*

At Merino, we are passionate about quality and innovation. Our research & development dedicates its efforts to innovation in product design and advancement in technology. Merino adheres to high safety standards and environmentally sustainable practices.



ISO 14001:2004  
OHSAS 18001:2007  
ISO 9001:2008

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**PRODUCT OFFERING**  
**Available Sizes (mm) width X length**

Finishes	1220 x 2440 (4 X 8 feet)	1220 x 3050 (4 X 10 feet)	1320 x 3050 (4.3 X 10 feet)	1550 x 3660 (5 X 12 feet)	1550 X 4300 (5 X 14 feet)	Compact Only 1830 x 3660 (6 X 12 feet)	1830 x 4300 (6 X 14 feet)
SANDSTONE	-	-	Y	Y	-	-	-
GALACTIC	Y	-	Y	Y	-	-	-
SUEDE	Y	Y	Y	Y	-	Y	Y
NAPA LEATHER	Y	-	-	-	-	-	-
JEWEL	Y	-	-	-	-	-	-
MATT	Y	Y	Y	-	Y	-	-

**USAGE SIZE & THICKNESS**

Products	Suggested		Core
	Size (mm)	Thickness(mm)	
<b>Kitchentops</b>	3660 X 1550 3050 X 650	12	Glacial White White Brown Black Light Grey Dark grey
<b>Breakfast Counters</b>	2440 X 965	12	
<b>Upstand</b>	3050 X 1000 2440 X 1000	12	
<b>Backsplash</b>	3050 X 1300 2440 X 1220 3660 X 1550	4 & 0.8	

**CUTTING INSTRUCTIONS:**

- a) We recommend using below Saw Blade for cutting on the product:  
Profile – FZTR, No. of Teeth – 72 Nos, RPM – 3000 to 4000, Feed Speed – 6 to 8 Mtr. / min.
- b) Pressure bar should be applied on product before actual cutting starts
- c) No vibration should take place while cutting the product

## **MERINO INDUSTRIES LTD.**

**INDIA: P:** +91 11 45557000 **E:** merinodelhi@merinoindia.com

**AMERICAS: P:** +1 305-456-1913 **E:** merinousa@merinoindia.com

**THAILAND: P:** +66 20412188 **E:** merinothailand@merinoindia.com

**UAE: E:** merinouae@merinoindia.com

[www.merinolaminates.com](http://www.merinolaminates.com)



ECONOMY • EXCELLENCE • ETHICS



ECONOMY ♦ EXCELLENCE ♦ ETHICS

# INTERNAL WALL CLADDING

# MERINO SHAURYA

ELEGANTLY TOUGH



# GUARDIANS OF THE WALL

# INDEX

- ◆ About Merino >
- ◆ About IWC - Merino Shaurya >
- ◆ Product Brief >
- ◆ Product Installation >
- ◆ Certificates >
- ◆ Product Features >
- ◆ Applications >
- ◆ Product Range >
- ◆ Value Added Products >
- ◆ Made Of Compact >
- ◆ Technical Data >
- ◆ Warranty >



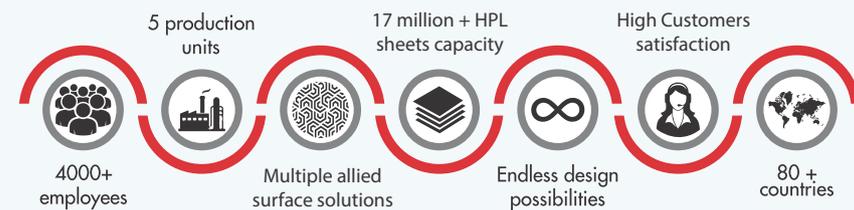
"Image shown are for reference. Actual product may vary"



ECONOMY • EXCELLENCE • ETHICS

## ABOUT MERINO

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



## CERTIFICATIONS



ISO 14001:2004  
OHSAS 18001:2007  
ISO 9001:2008



"IGBC - MP - 081076"

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## SHAURYA - INTERNAL WALL CLADDING

Shaurya - Merino's Internal Wall Cladding Solution is a High Pressure Compact Laminate based product with a first-of-its-kind technology in India for wall protection purpose. As the name suggests, this product is primarily used for internal application i.e. protecting the internal walls of a building from different forms of damage, alongwith enhancing the aesthetics of the interior.

The components of the product primarily composed of compact laminate and suitable metallic hardware profile. With the help of the mounting hardware mechanism, the compact laminate panels are installed to the wall. This arrangement not only provides unmatched protection to the wall but also renders breathtaking interior aesthetics.

Moreover, the unprecedented simplicity of the product also leads to very easy maintenance.

### WHY SHAURYA ?

The primary purpose of Shaurya is to provide protection to the internal wall from different damages viz. water, scratch, graffiti, soiling, impact, colour fading and minor burn marks. Apart from the damage protection purpose, there are other reasons for installing Shaurya. They are as mentioned below :

- To improve aesthetics of wall
- To cover cabling arrangements
- To develop anti microbial surface for medical applications
- To match the wall with overall furniture design
- To provide scope for future changes in the wall as Shaurya is very easy to uninstall

### SHAURYA APPLICATION AREA

Wherever we come across an internal wall, Shaurya can be used. Some of the most prominent areas of applications are:



Medical Facilities



Laboratories



Educational Institute



Corporate Office



Waiting Corridor



Residential Complexes



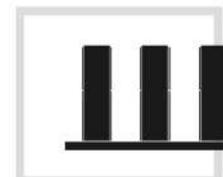
Gym



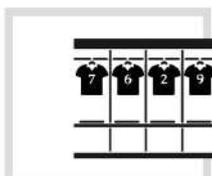
Lift Lobbies



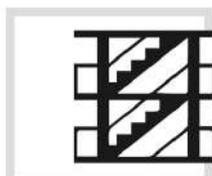
Reception Areas



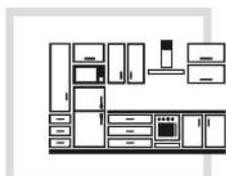
Column



Locker Rooms  
in Stadiums



Staircases



Kitchen Areas



Washrooms

## PRODUCT INSTALLATION

Ease of installation makes Shaurya an appealing product to the prestigious Architect fraternity. Specially crafted metallic profiles are used as hardware to install the compact laminate panels on the wall. The installation process is easy and seamless. Rivets and screws have been excluded tactfully for this functionally upgraded system. Merino also uses state-of-the-art installation equipments which not only delivers the perfect execution but also efficiently takes care of every single factor that may harm the quality of the product in future. Such meticulous installation method extends the product life.



**Step-1:-** Bottom half of the Shaurya is already installed, installation of upper half is about to start.



**Step-2:-** First Merino HPL compact panel is getting mounted on the profile.



**Step-3:-** First Merino HPL compact panel is completely mounted, second Merino HPL compact panel is getting mounted on the profile.



**Step-4:-** Upper part of the Shaurya installation is also complete.

### Cutting Instructions:

- We recommend using below Saw Blade for cutting on the product:
  - Profile – FZTR, No. of Teeth – 72 Nos, RPM – 3000 to 4000, Feed Speed – 6 to 8 Mtr. /min.
- Pressure bar should be applied on product before actual cutting starts
- No vibration should take place while cutting the product

# CERTIFICATIONS

Exova Warringtonfire  
Hobrowfield Road  
Warrington  
WA1 2DS  
United Kingdom

T : +44 (0) 1925 855 116  
F : +44 (0) 1925 855 419  
E : warrington@exova.com  
W : www.exova.com

Testing. Advising. Assuring.



WF Classification Report  
No. 319369

## Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007+A1: 2009.

## Classification

The product, "Merino FR Grade 12mm Compact Laminate", a compact high pressure laminate, in relation to its reaction to fire behaviour is classified:

The additional classification in relation to smoke production is:

**s1**

The additional classification in relation to flaming droplets / particles is:

**d0**

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:

Fire Behaviour		Smoke Production			Flaming Droplets	
<b>B</b>	-	<b>s</b>	<b>1</b>	,	<b>d</b>	<b>0</b>

i.e. **B – s1 , d0**

**Reaction to fire classification: B – s1, d0**

**SIGNED**

**Matthew Dale**  
Certification Engineer  
Technical Department

**APPROVED**

**Janet Murrell**  
Technical Manager  
Technical Department  
on behalf of Exova warringtonfire

## Title:

CLASSIFICATION OF  
REACTION TO FIRE  
PERFORMANCE  
IN ACCORDANCE WITH  
EN 13501-1:2007+A1: 2009.

## Notified Body No:

0833

## Product Name:

"Merino FR Grade 12mm  
Compact Laminate"

## Report No:

319369

## Issue No:

1

## Prepared for:

Merino Industries Limited  
Village Acheja  
PO Hapur Distt  
Panchsheel  
Nagar  
245101 India

## Date:

18<sup>th</sup> July 2012



0249

## FR+ Certificate

For Merino HPL Compact Panel  
Fire Retardant properties available on request.

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**CERTIFICATE OF ANALYSIS** **CERTIFICATE NO.** 1014663.1A

**CUSTOMER** **CUSTOMER REF.**  
 M/s Merino Industries Ltd.  
 Vill.Achheja,P.O.-Hapur-245101  
 Dist.-Ghaziabad(UP)India

**SAMPLE DETAILS** **DATE RECEIVED** 22-Sep-10  
 Test sample no.10313

**METHOD: (Determination of Antibacterial Activity using ISO 22196)**

**DATE ANALYSED** 22-Sep-10 **DATE REPORTED** 29-Sep-10

**RESULTS (AS CFU CM<sup>-2</sup>)**

SAMPLE		CONTACT TIME		LOG REDUCTION	% DIFFERENCE
		0	24		
Polystyrene	<i>E coli</i>	1.6E+04	3.5E+05	-	-
Test sample no.10313	<i>E coli</i>	1.6E+04	4.5E+00	3.5	99.99%
Polystyrene	<i>Staph aureus</i>	1.9E+04	9.0E+03	-	-
Test sample no.10313	<i>Staph aureus</i>	1.9E+04	1.0E+00	> 4.3	> 99.99 %

The above data shows the difference in the population following contact with the surface of the samples listed for 24 hours at 35°C under a RH of > 95% relative to the initial population.

NS = Poor survival on control supplied.

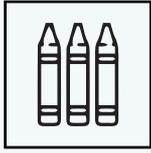
INDUSTRIAL MICROBIOLOGICAL SERVICE LTD  
 PALE LANE  
 HARTLEY WINTNEY  
 HANTS  
 RG27 8DH  
 UK

PETER D ASKEW  
 MANAGING DIRECTOR

**AB+ Certificate**  
 For Merino HPL Compact Panel  
 Anti Bacterial properties available on request.

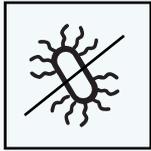
# COMPARISON BETWEEN SHAURYA & STONE CLADDING

## SHAURYA



### DESIGN OPTIONS

Unlimited design options including stone designs, wood grain designs, metallic designs, plain colour designs, etc.



### ANTI-MICROBIAL PROPERTY\*

Anti-microbial property of Shaurya makes it ideal for usage in medical facilities, schools, toilet cubicles, kitchen etc.



### INSTALLATION

Custom made panel and state-of-the-art profile makes the installation process very easy. The installation process consumes very little time and there is no water requirement.



### UNINSTALLATION

Uninstallation is much easier and this allows to accommodate changes in cabling in future. This involves much lesser time and effort.



### MAINTENANCE

Shaurya is a very low maintenance product — occasional cleaning with water/suggested chemicals is sufficient.



### PERFORMANCE AGAINST VIBRATION

The Compact panel of Shaurya has a higher vibration resistance.



### LOAD CONTRIBUTION

Much lesser load contribution to building.



### SURFACE FAULTS/FINISH

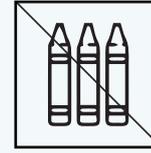
Free from any surface faults. Infact, surface finish can also be customized.



### STAIN RESISTANCE

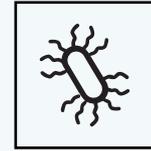
Shaurya has very good stain resistance.

## STONE CLADDING



### DESIGN OPTIONS

Only the stone designs and plain colour designs are available.



### ANTI-MICROBIAL PROPERTY

Most of the Stone cladding does not possess the anti-microbial property.



### INSTALLATION

Stone cutting and pasting involve much higher effort. **Water requirement is much more** as use of adhesive, cutting of stone and joining are involved.



### UNINSTALLATION

Involves a lot of time and effort as the stone cladding needs to be broken for making any change in future.



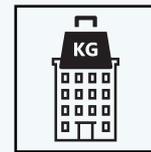
### MAINTENANCE

May require periodic sealing to prevent staining.



### PERFORMANCE AGAINST VIBRATION

Softer stone cladding will tend to crack during higher vibration.



### LOAD CONTRIBUTION

Higher load contribution to building.



### SURFACE FAULTS/FINISH

Can have naturally occurring surface faults, especially in case on natural stone. Surface finish remains typical to that of stone.



### STAIN RESISTANCE

Natural stones can be porous and tend to stain more rapidly than Shaurya.

\* On request

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## **WHY MERINO-BREM PARTNERSHIP ?**

The Technical Partnership of Merino & Brem Systeme has brought world class internal wall cladding system to India. Merino's 12 year journey in Indian restroom cubicle industry has earned it valuable experience and a complete understanding of the Indian market. This learning has been an integral part while partnering with Brem Systeme for Shaurya. Brem Systeme is one of the Global leaders in the Internal wall cladding system industry. Their technical expertise and innovative ideas have been revolutionary to the architectural world and our collaboration ensures that we are in sync with the latest innovations in the world.

## **THE GUARANTEE OF QUALITY**

Quality is inherent in all Merino products. Our design and product engineering team develop inspiring solutions that deliver high on performance and durability. Advanced visual design and impeccable functionality of the products are always a high priority. Our resources and materials are carefully curated and our quality inspection team ensures thorough testing of all our products.

## **CUSTOMIZED SOLUTIONS**

All Merino products are backed with a 5 years warranty and the promise of long lasting resistance and sturdiness in the most demanding environments. With customization as the core competence, Merino solutions are 'made to fit' the requirements of individual projects.

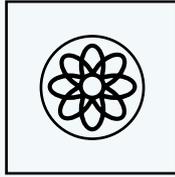
## **EXPERTISE TO FULFILL ALL YOUR NEEDS**

The Merino team is fueled by passion and knowledge. We have several years of industry experience and unrivalled expertise in design and product knowledge. Our CAD team delivers the best in design and visuals, the project management team assures timelines and budgets and the manufacturing team ensures the quality and technical finesse of the products.

## **WIDE RANGE OF DESIGNS TO SUIT EVERY BUDGET**

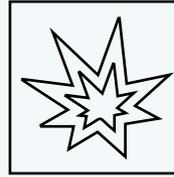
Our wide range of products offer the client the best choice in quality and design. Our product and design team ensures global standards of innovation and excellence in visual and functional designs, at a competitive price range.

## PRODUCT FEATURES



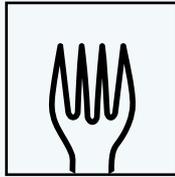
### HIGHLY DECORATIVE

Multitude of plain colours and designs(woodgrain & patterns) are available to choose from.



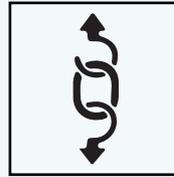
### HIGH IMPACT RESISTANT

High density of compact laminate makes it ideal to be used for wall protection system.



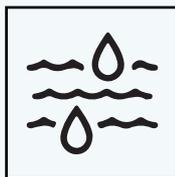
### SCRATCH RESISTANT

Scratch resistant to highly pointed objects



### HIGH MECHANICAL STRENGTH

High density of compact laminate makes IWC ideal for crowded places



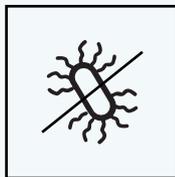
### MOISTURE RESISTANT

Moisture resistance feature of Shaurya makes it ideal for Fitness centers, Swimming clubs, Schools etc



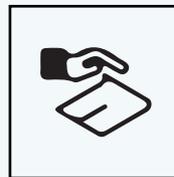
### TERMITE RESISTANT

Completely resistant to termite and fungal attack.



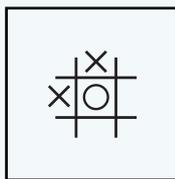
### ANTI MICROBIAL\*

99.99 % microbial resistance.



### CLEANABILITY

Easy to clean and maintain.



### GRAFFITI RESISTANT

Any writing marks made on the surface can easily be removed with diluted solvents such as acetone, thinner etc.



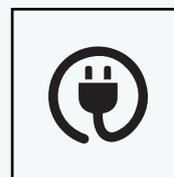
### INSTALLATION

Easy installation & uninstallation.



### AESTHETICS

Improve aesthetics of the wall.



### CABLE MANAGEMENT

Ease of on - wall cable management.

\* On request



\*\*Image shown are for reference, actual colour may vary.

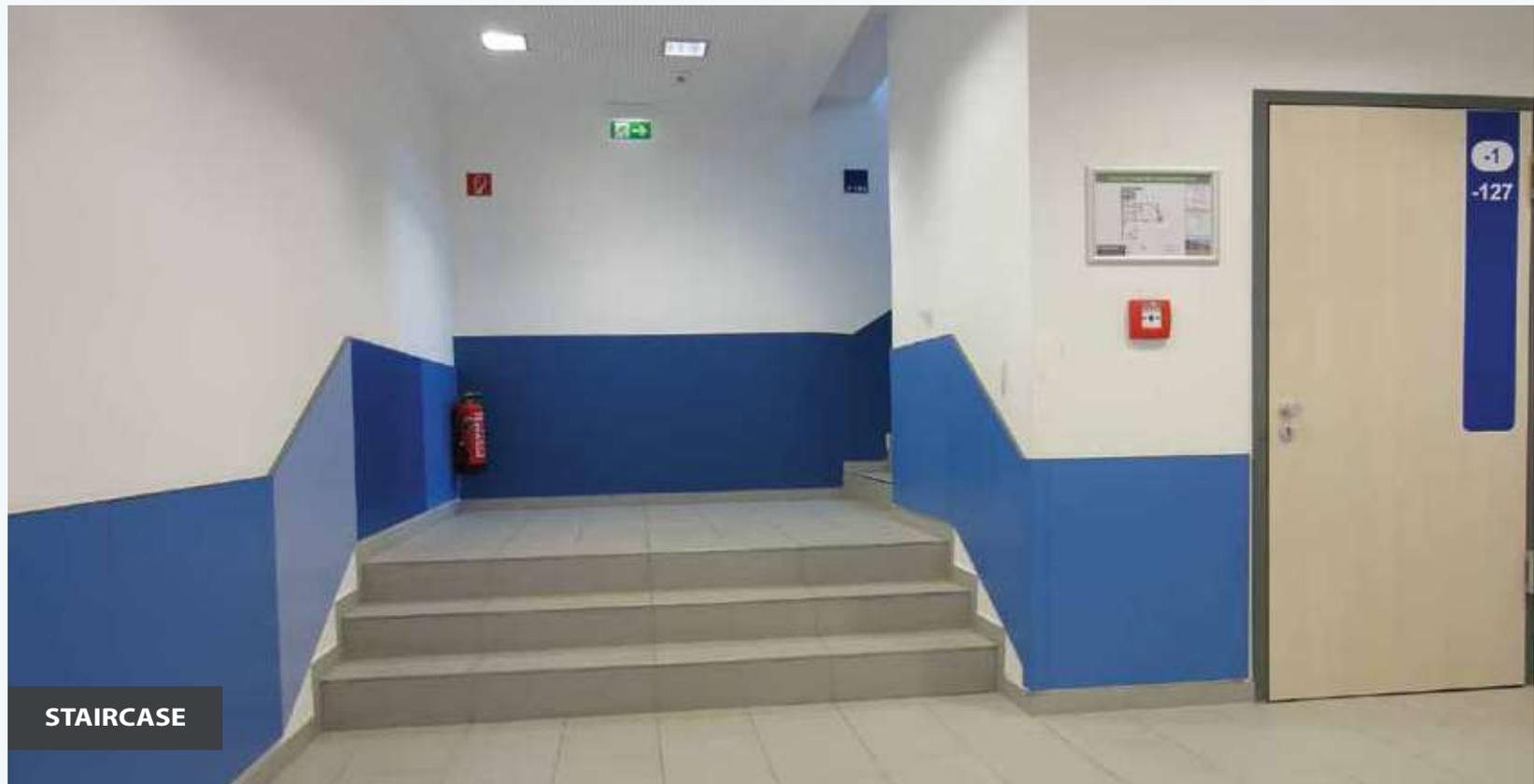
**COLUMN**

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## APPLICATION



**FULL HEIGHT**



**STAIRCASE**

\*\*Image shown are for reference, actual colour may vary.



**CORRIDOR**



**GYM**

\*\*Image shown are for reference, actual colour may vary.

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**LEDGE WALL IN RESTROOM**



**LIFT LOBBY**

\*\*Image shown are for reference, actual colour may vary.



**BASEMENT**



**WAITING ROOM**

\*\*Image shown are for reference, actual colour may vary.



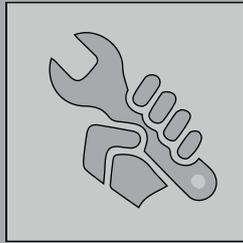
**OFFICE  
ENTRANCE**



**PATIENT WARD**

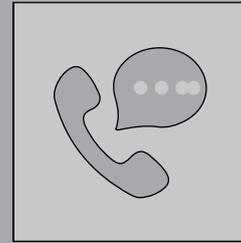
\*\*Image shown are for reference, actual colour may vary.

## COMMITTED TO SERVE YOU



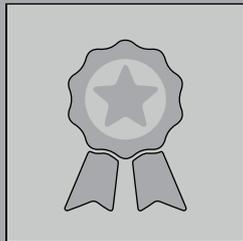
### INSTALLATION SUPPORT

Our trained and experienced installers are equipped with state of the art installation equipments and training to adapt all challenging site situations. We ensure that our installation process does not harm any other product already installed at the site.



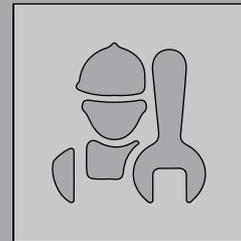
### AFTER SALES SUPPORT

We Keep our clients update on the progress of their projects. We offer quick remedies for any defects and provide our services whenever required.



### WARRANTY

We provide 5 years of warranty on the compact panels for any manufacturing or moisture related damages and 1 year of warranty on the hardware. Both the warranty offers does not include wear, tear and vandalism inflicted damages.



### MAINTENANCE

We are in constant contact with building facility managers for maintenance services. We inspect all our installed Shaurya systems whenever asked by the concerned authorities. We can also offer our clients annual maintenance contract when the warranty period elapses.

## SALES AND SUPPORT

### ONE STOP SOLUTION

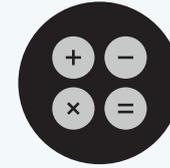
One stop solution for product, delivery and installation to save time from chasing and enabling quality assurance

### MARKET LEADER

Merino holds the market leadership position in restroom cubicles since more than 10 years

### EXTENSIVE PRODUCT RANGE

Merino offers extensive range of quality products with top designs to the customers



**Estimation Assistance**



**Design Advisory Service**



**After Sales Support**



**Prompt & On-schedule Delivery**



**CAD Layout Drawings**



**Doorstep Delivery**



**Fast & Effective Uninstallation**

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# DESIGN RANGE



**11005**  
**Neo Highland**  
**Pine**



**10844**  
**Malay Cane**



**10077**  
**Portland Maple**



**10291**  
**Alberta Maple**



**10002**  
**Mangfall Beech**



**10175**  
**Asian Maple**



**10544**  
**Canadian**  
**Walnut**



**10012**  
**Oxford Cherry**



**10597**  
**Weathered**  
**Pike Oak**



**10091**  
**Nova Teak**



**10699**  
**Mahagony**



**10019**  
**Sapelle**



**10007**  
**Douglas Fresco**  
**Pine**



**10856**  
**Siam Wood**



**10838**  
**Helsinki**  
**Pike Oak**

\* Kindly refer the actual Sample, Colors may Vary.

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# DESIGN RANGE



**10528**  
**Magas Irish**  
**Walnut**



**14142**  
**Auburn Kaos**  
**Oak**



**10858**  
**Wenge**



**14675**  
**Ebony Sepia**



**10511**  
**Magas Mystique**  
**Walnut**



**10848**  
**Straight Walnut**



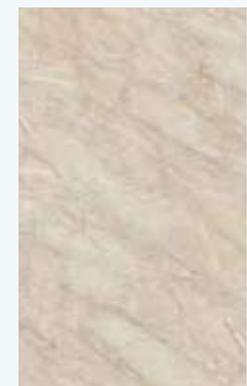
**44757**  
**Piazza**



**40499**  
**Salt & Pepper**



**40232**  
**Soft Travertine**



**40261**  
**Calacatta Marble**



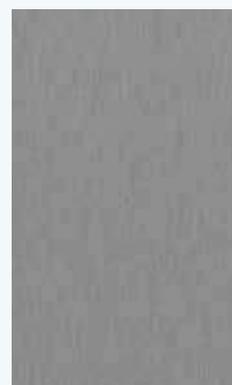
**14690**  
**Alhamara Wood**



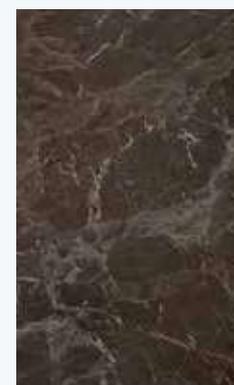
**40250**  
**White Kashmir**



**47740**  
**Grey Granite**



**49931**  
**Alumina Pearl**



**40294**  
**Caldera Marble**



**40258**  
**Black Granite**

\* Kindly refer the actual Sample, Colors may Vary.

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# DESIGN RANGE



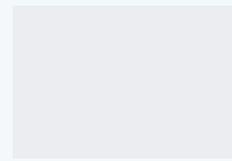
**22091**  
**Arctic White**



**21581**  
**Royal White**



**21069**  
**Silver Grey**



**21081**  
**White Lily**



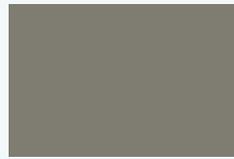
**21027**  
**Irish Cream**



**22087**  
**Shell**



**21087**  
**Almond**



**21009**  
**Grey Stone**



**21023**  
**Dark Citrus**



**21019**  
**Folkstone  
Grey**



**21369**  
**Pebble Grey**



**21187**  
**Champagne**



**22197**  
**Lark**



**21055**  
**Shangrila**



**22105**  
**Berry Bunch**



**21028**  
**Chocolate**



**21012**  
**Lilac**



**21057**  
**Marigold**



**21065**  
**Cardinal**



**21142**  
**Polar Blue**



**22232**  
**River Blue**



**22084**  
**Blush**



**22192**  
**Lustre Blue**



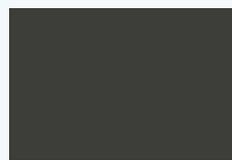
**22143**  
**Grassy**



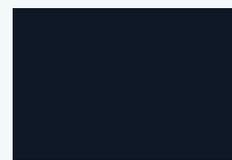
**22114**  
**Salmon**



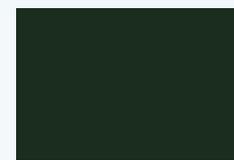
**22113**  
**Fern Green**



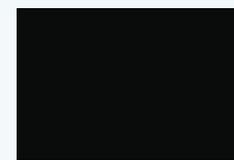
**22099**  
**Slate**



**21022**  
**Midnight  
Blue**



**22293**  
**Forest Green**



**21066**  
**Black**

Note - For more designs refer Merinolam Catalogue or visit [www.merinolaminates.com](http://www.merinolaminates.com)

\* Kindly refer the actual Sample, Colors may Vary.

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# OUR VALUE ADDED PRODUCTS

## **MERINO**RESTROOMS

THOUGHTFUL SOLUTIONS



**MERINO**  
**ARMOUR**  
EXTERNAL  
CLADDING

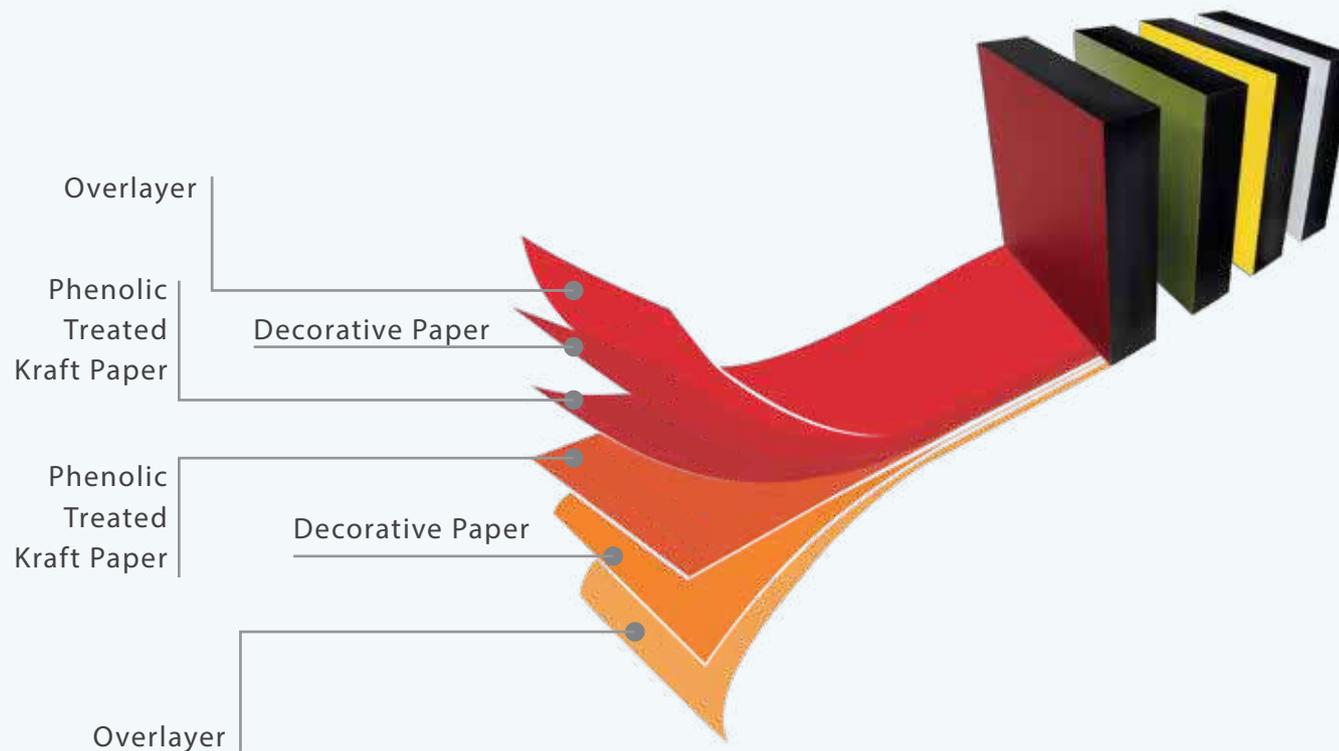


\*\*Image shown are for reference, actual colour may vary.

# MADE OF COMPACT

## COMPOSITION

The solid compact laminate consists of several layers of cellulose fibrous material (normally paper), thermosetting resins that are bonded together under high pressure settings. The surface on both sides with decorative colours or designs, are fused with melamine based resins while the core layers are permeated with phenolic based resins. During the bonding of the layers heat and high specific pressure are applied simultaneously to obtain a homogeneous non-porous material with high density and smooth finish. The board is manufactured as per EN-438-4 standard.



## FEATURES

• Extremely durable	• Scratch resistance
• Strong resistance to impact	• Heat & cigarette burns resistance
• Non-toxic	• Anti Bacterial*
• Fire retardant (Passes BS-476 Class 1 Test)*	• Moisture & steam resistance
• Wide choice of colours	• Colour change resistance
• Easy to clean	• Staining graffiti & bacteria growth resistance

\* On request

**Limited Warranty.** Merino Industries Ltd. and Merino Panel Products Ltd. warrant that, under normal use and services, the material and workmanship of their products shall conform to the standards set forth on the applicable technical data sheet for a period of twelve (12) months from the date of sale to the first consumer purchaser. Dealers and distributors are provided with the technical data sheets, which contain specific standards of performance for the products. In the event that a Merino Industries Ltd. or a Merino Panel Products Ltd. product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by the first consumer purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use this product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of Merino Industries Ltd. and Merino Panel Products Ltd. has the authority to modify the obligation or limitation of this warranty.

## TECHNICAL SPECIFICATIONS

### TECHNICAL DATA OF GENERAL PURPOSE COMPACT LAMINATE (STANDARD GRADE) AS PER EN-438-4

#### PHYSICAL PROPERTIES

Property	Unit	Specifications	Merino Value
Specific Gravity	Kg/m	>1350	>1350
Weight 12mm Thickness	6mm Kg/m	>24	26
Weight 18mm Thickness	9mm Kg/m	>36	38
Thickness tolerance [12.0 < t > 16.0mm]	mm	±0.4	±0.3
Thickness tolerance [12.0 < t > 16.0mm]	mm	±0.5	±0.4
Length & Width Tolerance <sup>(a)</sup>	mm	+10mm / -0mm	+10mm / -0mm
Squareness <sup>(b)</sup>	mm / m	1.5 (Max.)	<1.5mm
Edge Straightness <sup>(b)</sup>	mm / m	1.5 (Max.)	<1.5mm
Edge Chipping	mm	3mm (Max.)	<3mm
Flatness <sup>(b)</sup> 10.0 <_ t	mm / m	3mm (Max.)	<3mm

(a) Tolerances for cut-to-size panels shall be agreed between supplier and purchaser  
(b) Provided the compact laminates are stored in the manner and conditions recommended by the manufacturer they shall comply with flatness requirements specified in the Table 2 when measured in accordance with EN 438-2

#### MECHANICAL PROPERTIES

Property	Unit	Specifications	Merino Value
Dimensional Stability at Elevated Temperature (Machine Direction)	Max %	0.30%	<0.16%
Dimensional Stability at Elevated Temperature (Cross Direction)	Max %	0.60%	<0.35%
Tensile Strength	Mpa	60 (Min.)	>60
Flexural Strength	Mpa	80 (Min.)	>100
Flexural Modulus	Mpa	9000 (Min.)	>10,000
Resistance to Crazeing	Appearance (Grade not worse than)	4	4
Resistance to Water Vapour	Appearance (Grade not worse than)	3 (Gloss finish), 4 (Other finishes)	3, 4
Resistance to Impact by Large Diameter Ball (at drop height of 1800mm min.)	mm	Indentation diameter 10 (Max.)	<10
Resistance to Scratching	Smooth Finishes	2	3
	Textured Finishes	3	3.5
Resistance to Surface Wear (Initial Point)	Revolution (Min.)	150	>150
Resistance to Surface Wear (Wear Value)	Revolution (Min.)	350	>550

#### THERMAL PROPERTIES

Property	Unit	Specifications	Merino Value
Resistance to Dry Heat at 180 C	Appearance (Grade not worse than)	3 (Gloss finish), 4 (Other finishes)	3 4
Resistance to Immersion in Boiling Water (increase in thickness)	% (Max.)	2	<1
Resistance to Cigarette Burns	Appearance (Grade not worse than)	3	3

#### OPTICAL PROPERTIES

Property	Unit	Specifications	Merino Value
Light Fastness (Xenon Arc) - Contrast	Grey Scale rating	4 to 5	4 to 5
Resistance to Staining (Group 1&2)	Appearance (Grade not worse than)	5	5
Resistance to Dry Heat at 180 C	Appearance (Grade not worse than)	4	4

## **MERINO INDUSTRIES LTD.**

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**THAILAND: P:** +66 20412188 **E:** merinothailand@merinoindia.com

**UAE: E:** merinouae@merinoindia.com

[www.merinolaminates.com](http://www.merinolaminates.com)



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# LAMINATURE

NATURAL  
TEXTURE  
MAKES ALL  
THE DIFFERENCE.



UNBELIEVABLE SURFACES  
*by Merino*

## **Disclaimer**

“ For Visual representation only.  
Design Range & Finishes are subject  
to change without prior notice.  
Actual Design & Color may vary  
when viewed in digital format.  
Please contact your nearest Merino  
Dealer / Merino Team for order  
fulfillment”

# INDEX

- ◆ About Merino >
- ◆ About Laminature >
- ◆ Composition / Features >
- ◆ Applications >
- ◆ Product Range >
- ◆ Technical Data >
- ◆ Warranty >

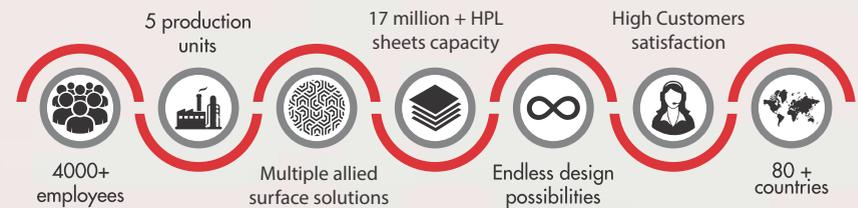
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## ABOUT MERINO

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



## CERTIFICATIONS



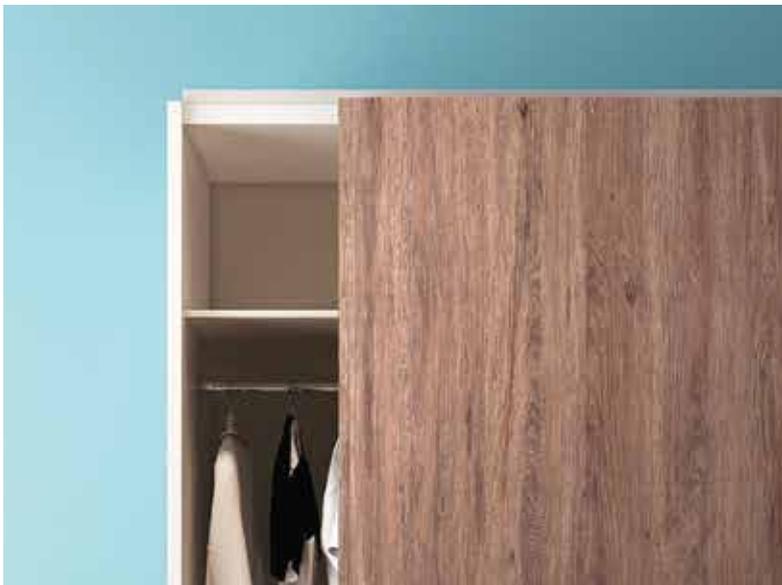
"IGBC - MP - 081076"

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# THE *Un*-THINKABLE LAMINATURE

Synchronized laminates.

Laminature's seamlessly synchronized texture looks indistinguishable from solid woods and veneers. Its design and pattern are crafted to give you a tactile feel that looks natural. The range is available in three variations – Monte, Parish and Whitney, that is undoubtedly bound to leave you spoilt for choice.



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↑  
14186  
Guder Ontario Oak

\*Image shown are for reference, Actual colour may vary\*

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↑  
14668  
Beles Samari Oak

**NATURAL  
LOOK**



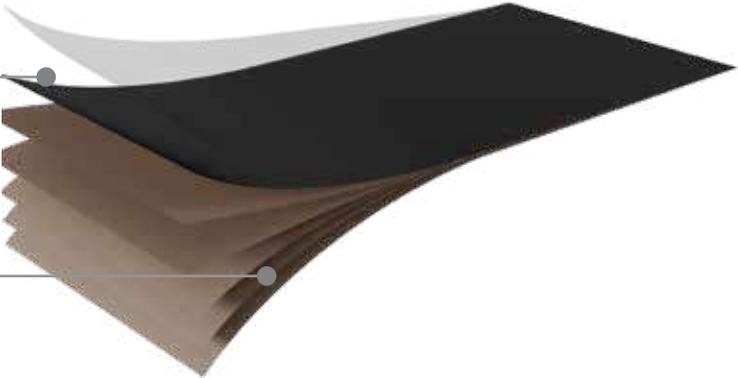
Image shown are for reference. Actual colour may vary.

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# Un-THINKABLE COMPOSITION

## MELAMINE FORMALDEHYDE IMPREGNATED DECOR PAPER

Specially chosen Decor Paper that is impregnated using with Melamine Formaldehyde resin and pressed using a matching Stainless Steel Finishing Plate.



## PHENOL FORMALDEHYDE IMPREGNATED KRAFT PAPER

Kraft Paper that has been impregnated with Phenol Formaldehyde resin and provides impact resistance and prevents bowing of the Laminate Panel.

# Un-THINKABLE FEATURES



NATURAL LOOK



STAIN RESISTANT



FADE RESISTANT



DELAMINATE PROOF



WEAR RESISTANT



MOISTURE RESISTANT

14667  
Dinder Samari Oak

## *Un*-THINKABLE APPLICATION

For both vertical and horizontal application.

Wall Panels

\*Image shown are for reference, Actual colour may vary\*

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# Un-THINKABLE SECTORS

Synchronized laminate, with its indistinguishable natural veneer and solid wood appearance, is an ideal solution for sectors like – premium residences, premium complexes, hotels and hospitality.

↑  
14186  
Guder Ontario Oak

Hotels & Hospitality

[← Back To Index](#)



Premium Residence

14669  
Shinfa Samari Oak

"Image shown are for reference. Actual colour may vary"

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14194  
Tirich Lavito Walnut

Image shown are for reference. Actual colour may vary.

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# *Un*-THINKABLE DESIGN

## WHITNEY

Embellish your interior with an everlasting choice in natural stone design, with its unique pattern and intrinsic durability.



40268 WTN

Stagger Marble



40006 WTN

Tremble Marble

[< Back To Index](#)

# MONTE OAK

Furnish your home with a timeless choice in furniture wood with its unique crown pattern and inherent durability.



14186 MNT

Guder Ontario Oak



14187 MNT

Mareb Ontario Oak



14181 MNT

Yabus Ontario Oak



14183 MNT

Mille Ontario Oak

[< Back To Index](#)

# PARISH OAK

An everlasting natural looks with wave pattern that brings home decor come to life.



14668 PRH

Beles Samari Oak



14667 PRH

Dinder Samari Oak



14669 PRH

Shinfa Samari Oak

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# MONTE WALNUT

Highly valued for its colour and quality, wondrous Walnut range adorns furniture with crown pattern for a rustic look.



14190 MNT

Nuptse Lavito Walnut



14194 MNT

Tirich Lavito Walnut



14191 MNT

Kamet Lavito Walnut



"Image shown are for reference. Actual colour may vary"

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## TEST DATA

Properties		Test Method as Per EN 438-2	Standard Result as Per EN 438-3	Test Result of MERINO
Design No./ Finish				14667/Synchro
Thickness Tolerance		Clause No.5	±0.10	0.03
Length & Width Tolerance		Clause No.6	±0.10	+05mm
			-0mm	-0mm
Resistance to Surface wear (Revolution Minimum)		Clause No.10	IP≥150	325
			FP	750
			Wear Value ≥350	537.5
Resistance to immersion in Boiling water Appearance (Grade not worse Than)	Gloss	Clause No.12	≥Rating-3	Rating-5
	Others		≥ Rating-4	
Resistance to Water Vapour Appearance (Grade not Worse than)	Gloss	Clause No.14	≥ Rating-3	Rating-5
	Others		≥ Rating-4	
Resistance to Dry Heat at 180°C Appearance (Grade not worse Than)	Gloss	Clause No.16	≥ Rating -3	Rating-5
	Others		≥ Rating-4	
Dimensional Stability at elevated temp. (Max. %)	Machine Direction	Clause No.17	≤ 0.55%	0.41
	Cross Direction		≤ 1.05%	0.65
Resistance to Impact by Small –Diameter Ball		Clause No. 20	≥ 20 N	40
Resistance to Cracking		Clause No. 23	≥ Rating-4	Rating-5
Resistance to Scratching N (min)		Clause No. 25	≥ Rating -3	Rating -3
Resistance to Staining (Grade not Worse than)	Group 1 & 2	Clause No. 26	≥Rating-5	Rating-5
	Group 3		≥ Rating-4	Rating-4
Resistance to Cigarette Burns Appearance (Grade not Worse than)		Clause No. 30	≥ Rating-3	Rating-4

## AVAILABILITY MATRIX

Size (L X W) :	8ftX4 ft (2440mm X1220mm)
Thickness :	0.8mm & above
Finish :	Monte (MNT), Parish (PRH), Whitney (WTN)
Design :	12 Shades

- For fabrication, care & maintenance please check our website.

### Limited warranty

Merino Industries Limited & Merino Panel Product Ltd. warrant that, under normal use & service, the material & workmanship of their products shall conform to the standards set forth on the applicable technical data sheet for a period of twelve (12) months from the date of sale to the first consumer purchaser. Dealers & distributors are provided with the technical data sheets, which contain specific standards of performance of the product. In the event that a Merino Industries Limited or a Merino Panel Product Limited product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use the product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of Merino Industries Limited and Merino Panel Product Limited has the authority to modify the obligation or limitation of this warranty.

## **MERINO INDUSTRIES LTD.**

**INDIA: P:** +91 11 45557000 **E:** merinodelhi@merinoindia.com

**AMERICAS: P:** +1 305-456-1913 **E:** merinousa@merinoindia.com

**THAILAND: P:** +66 20412188 **E:** merinothailand@merinoindia.com

**UAE: E:** merinouae@merinoindia.com

[www.merinolaminates.com](http://www.merinolaminates.com)



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# MEISTER SURFACES

PREMIUM COATED PANELS



ABOVE ALL ELSE

***Disclaimer:***

**“ For Visual representation only.**

**Design Range & Finishes are subject to change without prior notice.**

**Actual Design & Color may vary when viewed in digital format.**

**Please contact your nearest Merino Dealer / Merino Team for order fulfillment.”**

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◆ Gloss Meister & Range >

◆ Gloss Meister Applications >

◆ Matt Meister & Range >

◆ Matt Meister Applications >

◆ Manufacturing Process >

◆ Specification >





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## The Exquisite Meister Surfaces

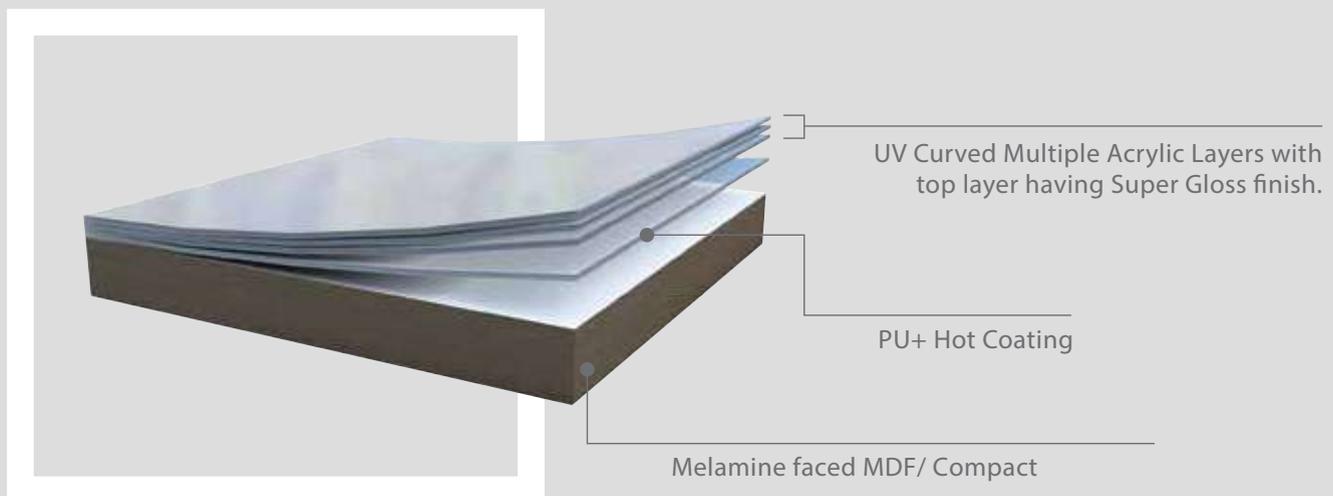
Every house tells a story, and with our Meister series of premium coated panels, you can tell yours better. With spectacular finish in a multitude of styles and an assortment of colours, transform the aura of your spaces and elevate them above all else.

No matter which you choose, your home and its story is sure to be a cut above everyone else's. The all-new Meister panels comes in two workable and highly stunning variants – Gloss and Matt.

# GLOSS *Meister*

With the wide selection of Gloss Meister Surfaces, let your home shine above all else. Designed with elegance and artistry, these high-gloss PU+ surfaces add brilliant gleam, minimum waviness and high depth, mirroring the shine in your personality like never before.

Available in **MDF and Compact Surfaces.**



## FEATURES



SUPER GLOSS  
TECHNOLOGY



MIRROR-LIKE  
FINISH



NO YELLOWING  
OR ORANGE  
PEEL EFFECT



IMPACT  
RESISTANT



ANTI-  
BACTERIAL

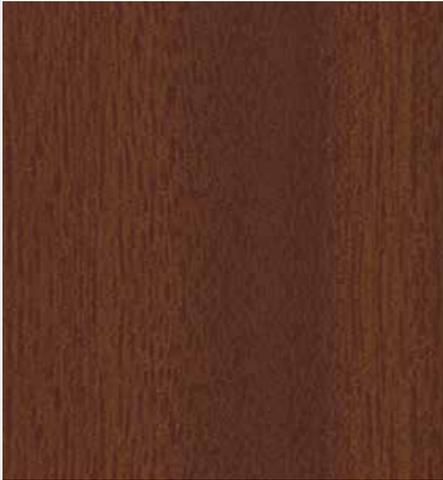


ANTI-  
FUNGAL



SANITIZABLE\*

# GLOSS MEISTER RANGE



10019 Sapelle



10502 Elevated Wood



14178 Cherry Cadiz Walnut



14613 Doredos Cottage Pine



40267 Golden Campino



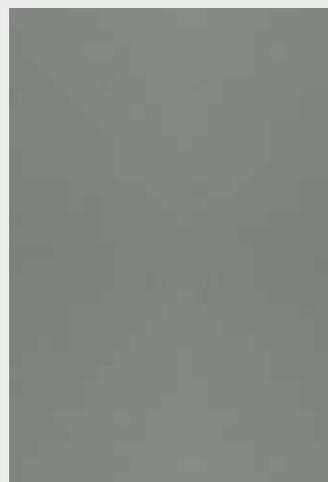
44760 Aggies Micas



49957 Dark Dacron



44762 Allies Micas



49944 Silver Frost

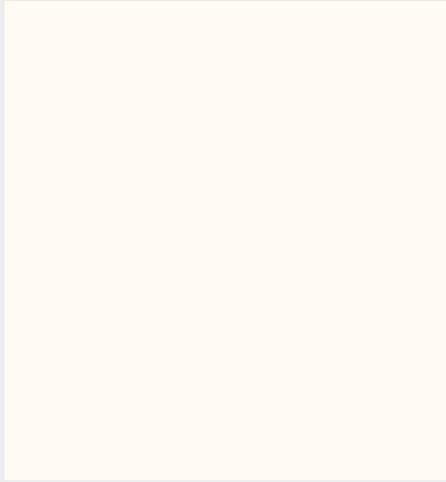


49951 Steel Pearl

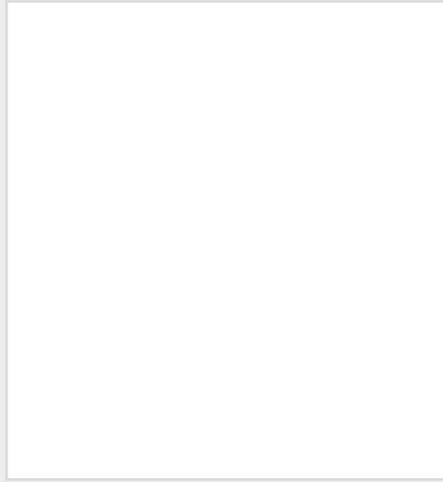


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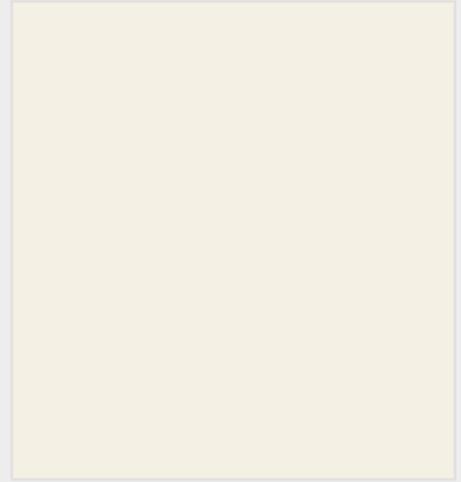
## GLOSS MEISTER RANGE



25391 Solar White



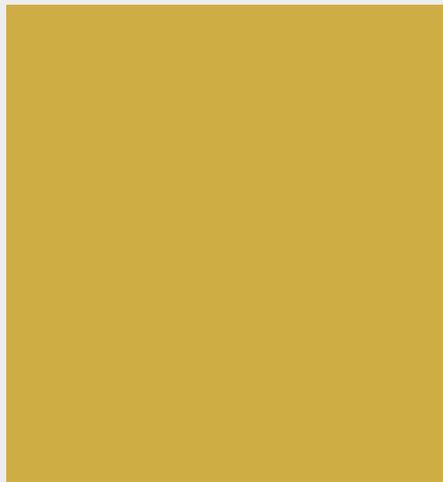
25081 Pure White



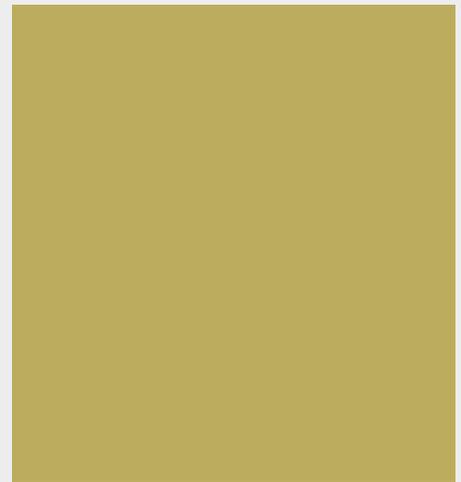
25187 Champagne



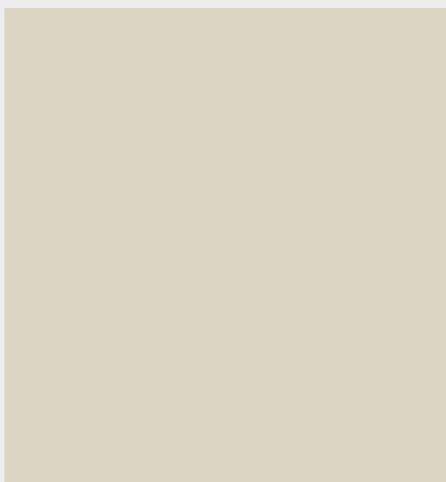
22067 Morning Glow



22017 Parakeet



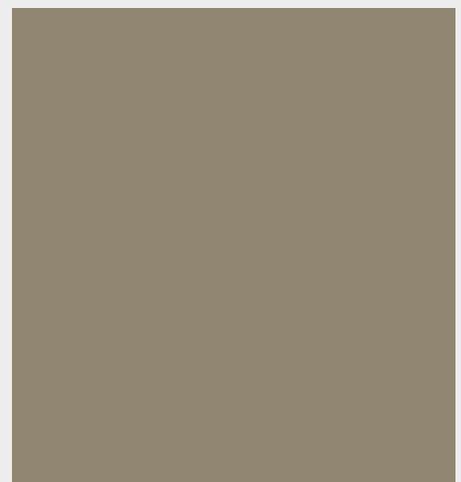
21023 Dark Citrus



21027 Irish Cream



22137 Cappuccino



22127 Brown

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## GLOSS MEISTER RANGE



21065 Cardinal



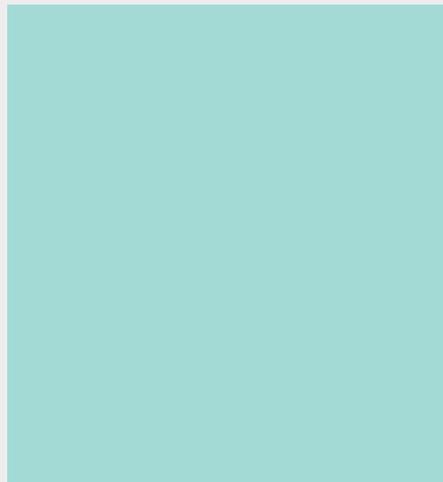
21055 Shangrila



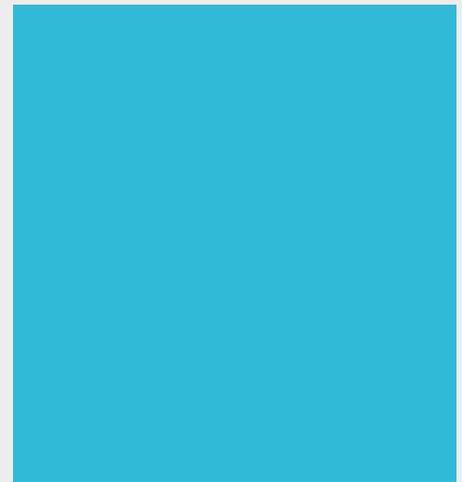
22105 Berry Bunch



21163 Lime



21082 Celestial Blue



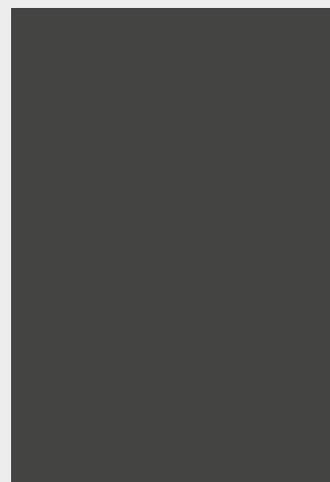
21132 Blue Danube



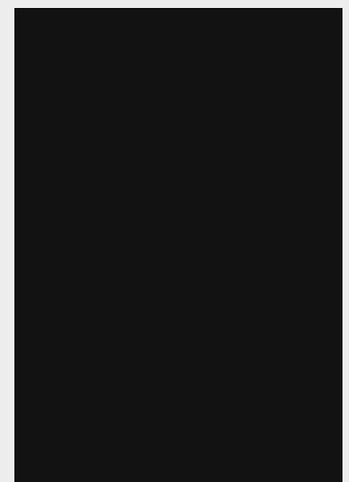
21039 Misty Grey



22119 Autumn Leaf



22099 Slate



25066 Piano Black

Note - For more designs refer Merinolam Catalogue or visit [www.merinolaminates.com](http://www.merinolaminates.com)

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## GLOSS MEISTER - APPLICATION AREAS

The superior gloss and highly reflective surface of Gloss Meister can be used in various kinds of premium application areas, to give them a mirror like finish.



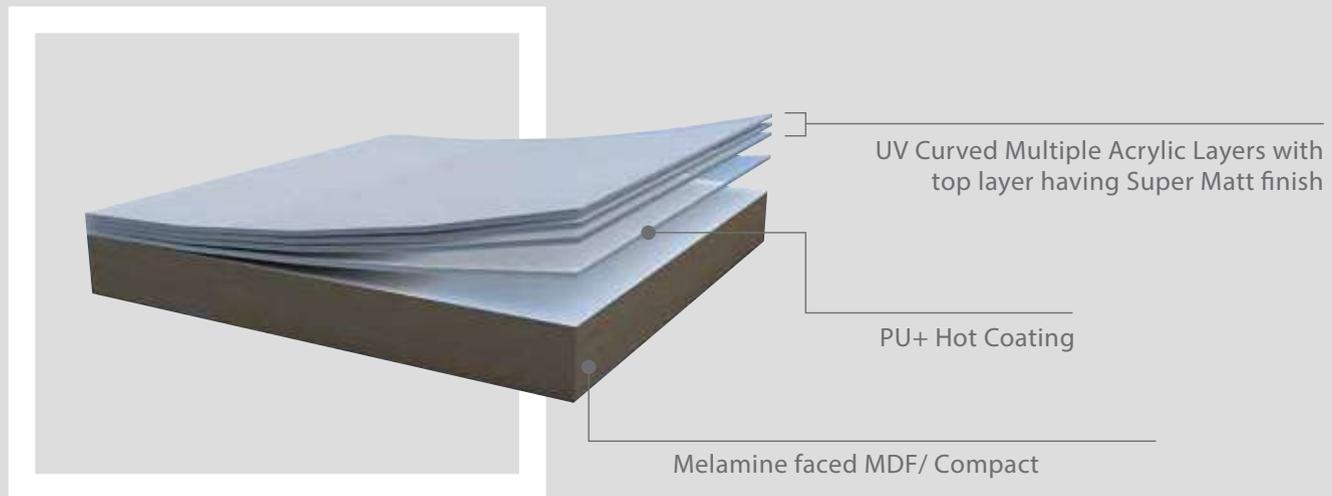
### Disclaimer for Gloss Meister

There is minor colour variation seen in coated products as compared to same colour laminates or edge bands. We recommend you asking for samples before ordering the same.

# MATT *Meister*

With the choicest Matt Meister Surfaces, give your home a distinct and contemporary look. Packed with panache and flair, these super matt PU+ surfaces are designed to be fingerprint resistant and have a smooth satin finish that will make your home ooze luxury while keeping it classy.

Available in **MDF and Compact Surfaces.**



## FEATURES



ANTI-FINGERPRINT  
TECHNOLOGY



HEAT  
RESISTANT



SATIN  
SMOOTH FINISH



IMPACT  
RESISTANT



SCRATCH  
RESISTANT



ANTI-  
BACTERIAL

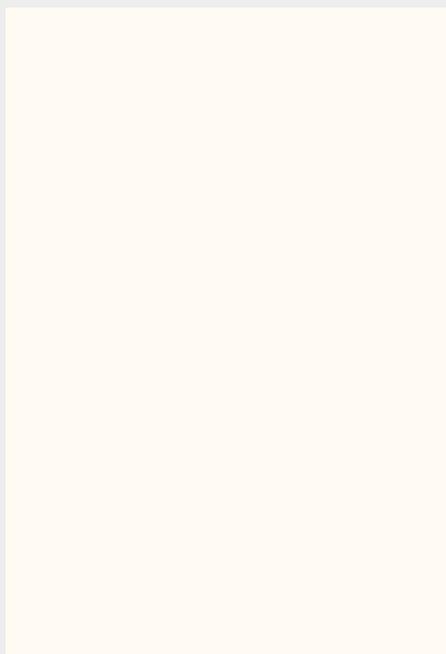


ANTI-  
FUNGAL

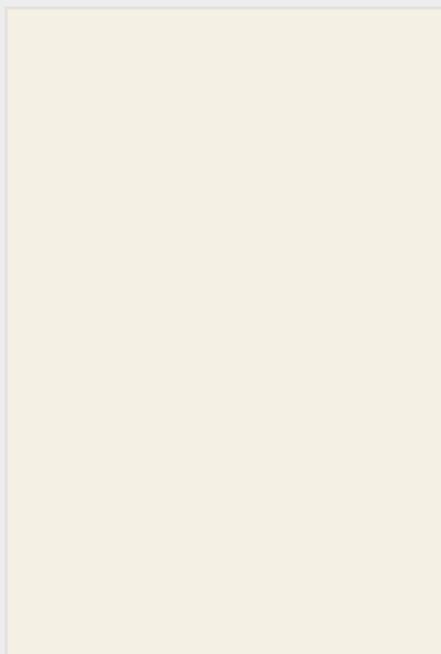


SANITIZABLE\*

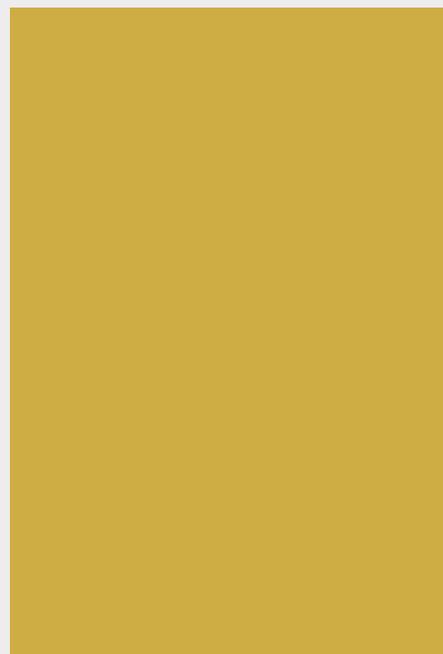
## MATT MEISTER RANGE



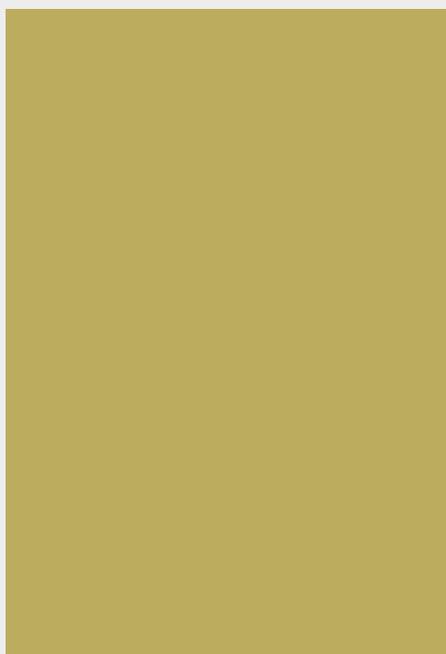
25391 Solar White



25187 Champagne



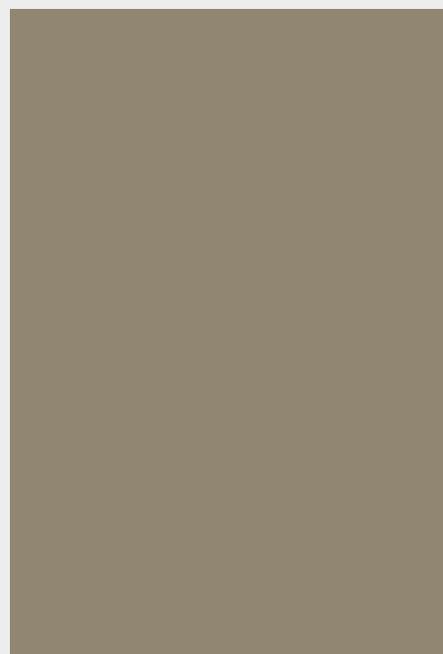
22017 Parakeet



21023 Dark Citrus

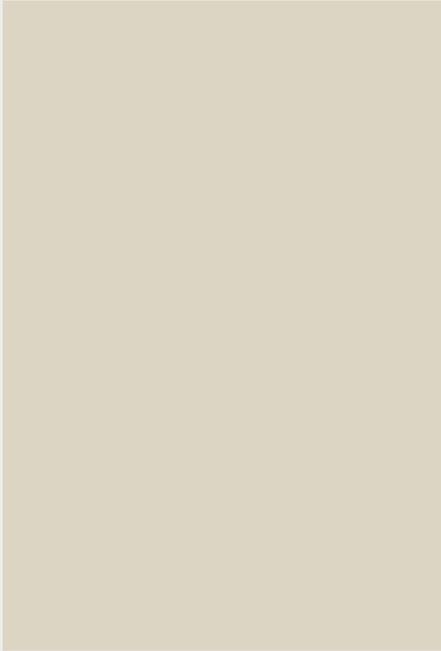


22137 Cappuccino



22127 Brown

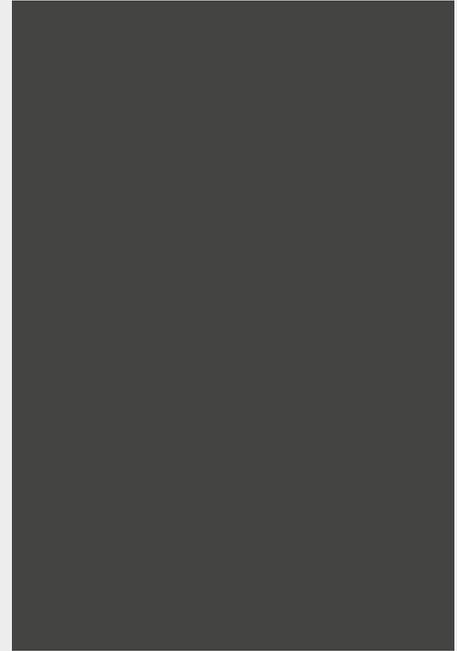
## MATT MEISTER RANGE



21027 Irish Cream



22119 Autumn Leaf



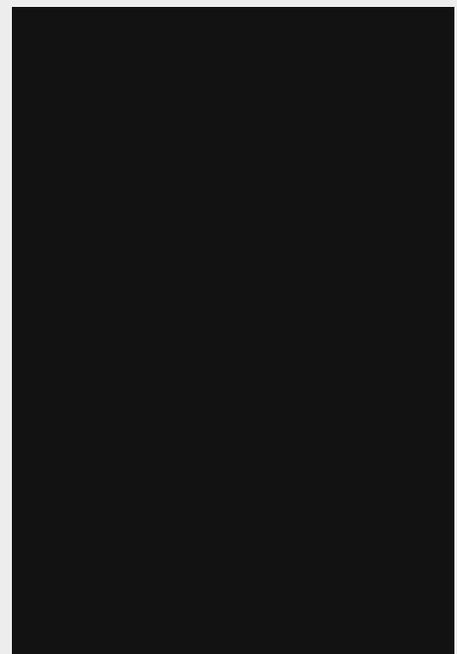
22099 Slate



21065 Cardinal



21055 Shangrila



25066 Piano Black

## MATT MEISTER - APPLICATION AREAS

The velvety smooth surface of Matt Meister can be used in various kinds of premium application areas, to give them a distinct and contemporary look.



# MANUFACTURING PROCESS

1



## Prelam Board

Substrate with Melamine impregnated design paper.

2



## PU+ Hot Coating

- High impact resistance
- A better adhesion to prevent cracking and delamination.

3



## Acrylic Layer

- Mirror like gloss
- High abrasion and scratch resistance.
- Durability of design and color.

Multiple cycles



## UV Curing

- Surface Hardening
- Resistance to sunlight, chemicals and corrosion.

4

## SPECIFICATION OF MEISTER ON MDF BOARD

SL No	Parameters	Standard	Unit	Gloss Value	Matt Value
1	Thickness Variation	IHD-W-454	mm	± 0.5mm	± 0.5mm
2	Density	EN-323	Kg/m <sup>3</sup>	>725	>725
3	Dimension Tolerance	EN-324-1	mm	± 0.5	± 0.5
4	Micro Scratch Resistance (Martindale)	IHD-W-466	Rating	Class 1 Loss of Gloss < 20%	Class 1
5	Adhesion (Cross Cut)	IHD-W-464	Rating	0	0
6	Gloss Level at 60° angle	EN 14323	level	>93	<6
7	DOI Value	RHO Point meter	level	>93	0
8	RIQ Value	RHO Point meter	level	>75	0
9	Abrasion Resistance	IHD-S-461	Class	Stress Class -3	Stress Class -4
10	Resistance to Water Steam	EN-14323	Rating	>4	>3
11	Resistance to Dry Heat	EN- 438	Rating	>5	5
12	Resistance to Cracking	EN-14323	Rating	>5	5
13	Resistance to Impact Stress (Large Diameter steel wall)	EN-14323	cm	>100cm	>100cm
14	Modulus of Rapture	EN-310	N/mm <sup>2</sup>	>28	>27
15	Internal Bonding	EN-319	N/mm <sup>2</sup>	>0.80	>0.75
16	Screw Withdrawal	EN-320			
	Face		N	>1600	>1500
	Edge		N	>1250	>1250
17	Formaldehyde Content CARB P2	EN-ISO 12460-5 (astro bd)	mg/100gm of dry sample	≤2.5mg/100gm of dry sample	<2.5mg/100gm of dry sample
18	Scratch Resistance BYK Gardner 12403	DIN 68861 T4	NA	2.5	4.2

### \*Sanitization process of Meister surfaces:

As this surface is Acrylic and PU coated, we need to sanitize the surface with soap solution for 25-30 sec and wipe the surface till it is fully dry. As alcohol based sanitizer mostly has Iso Propyl Alcohol (IPA) in it, this may have whitish effect on coating surface. If at all alcohol need to be used then only **Methyl alcohol** should be used for sanitizing. After cleaning, surface needs to be wiped by soft clean cloth and then make it fully dry.

### Disclaimer for Matt Meister

Matt Meister does not have self-cleaning properties. Marks left by sweat, oily or dirty fingers must be cleaned with a soft damp cloth and little dish soap. In case of stronger marks, wipe with **Melamine foam**.

There is minor colour variation seen in coated products as compared to same colour laminates or edge bands. We recommend you asking for samples before ordering the same.

**MERINO INDUSTRIES LTD.**

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**UAE:** E: merinouae@merinoindia.com  
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ECONOMY • EXCELLENCE • ETHICS



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SURFACE  
BRILLIANCE  
MAKES ALL THE  
DIFFERENCE.

UNBELIEVABLE SURFACES  
*by Merino*

## **Disclaimer**

“ For Visual representation only.  
Design Range & Finishes are subject  
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when viewed in digital format.  
Please contact your nearest Merino  
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◆ About Metalam >

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◆ Applications >

◆ Product Range >

◆ Technical Data >

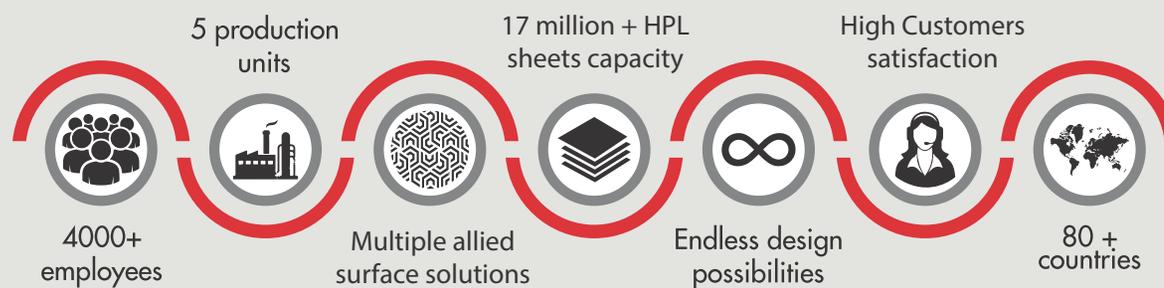
◆ Warranty >



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## ABOUT MERINO

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



## CERTIFICATIONS



"IGBC - MP - 081076"

ISO 14001:2004  
OHSAS 18001:2007  
ISO 9001:2008

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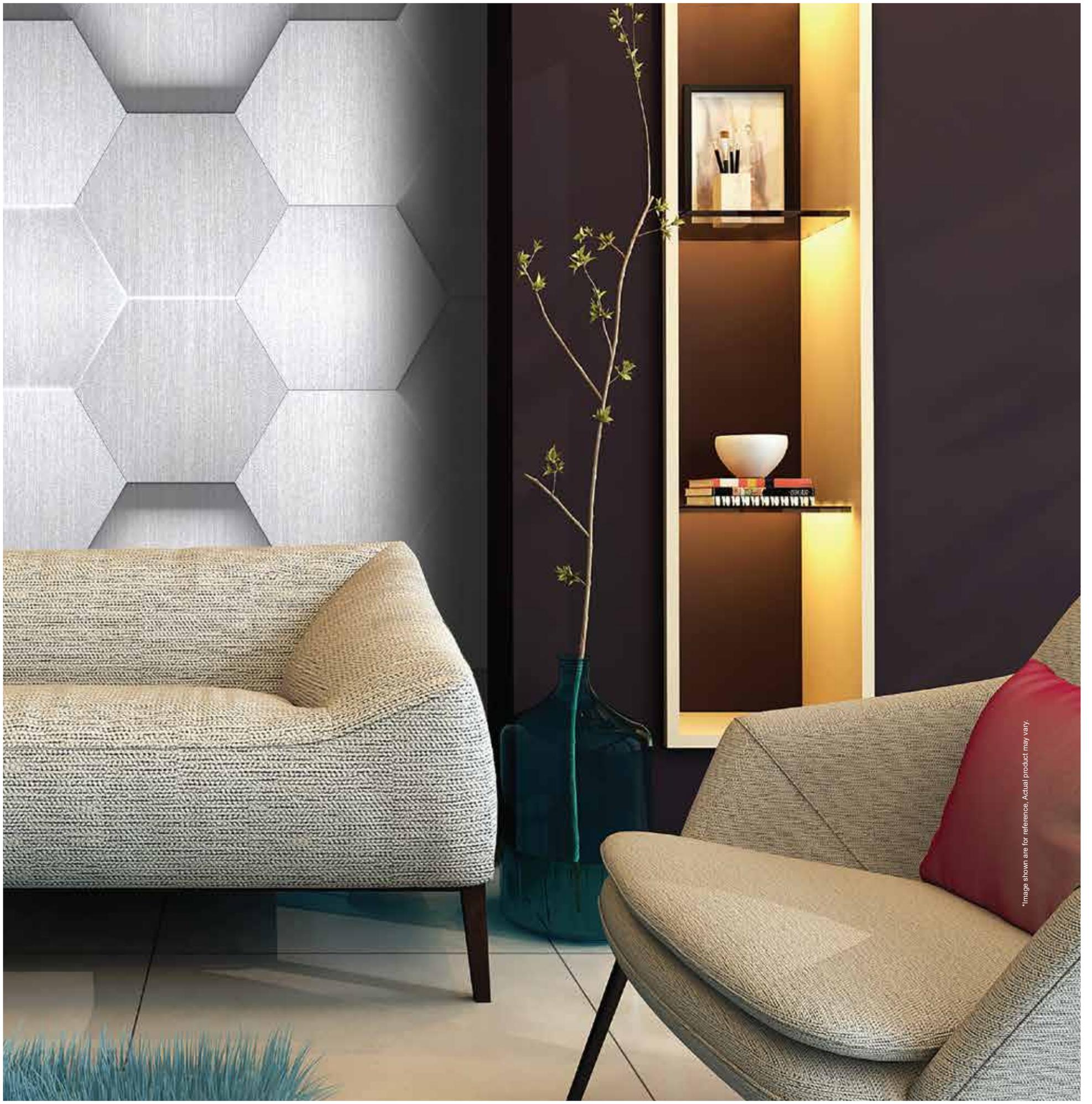
## THE *Un*- CHALLENGED METALAM

**Metallic sheen laminates.**

Metalam are laminates with a metallic sheen which makes them highly desirable for an ultra-modern look. These laminates are made the way standard HPLs are made, making them dust repellent and low on maintenance.



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\*Image shown are for reference, Actual product may vary.

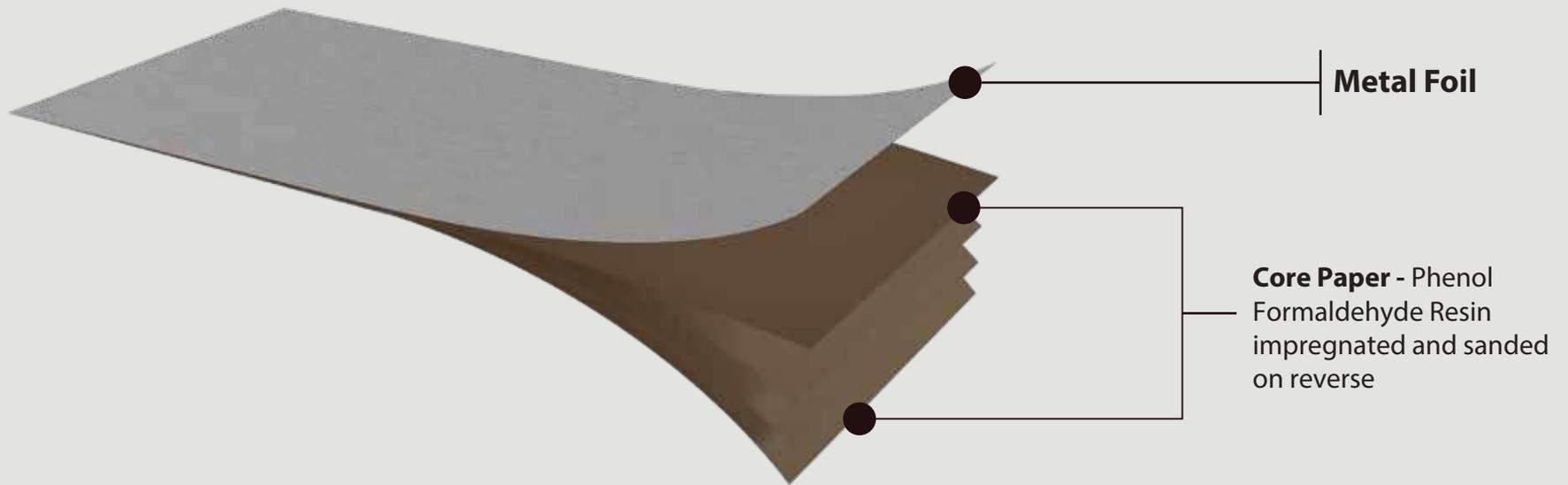
99999  
Silver

METALLIC **7**  
SHEEN

\*Image shown are for reference. Actual product may vary.

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## Un-CHALLENGED COMPOSITION



The composition is similar to that of a standard HPL. The laminate undergoes hot press and impregnation. However, in the case of Merino Metalam, a metal foil is used instead of a décor paper to top the Kraft paper layer.

## Un-CHALLENGED FEATURES



**METALLIC  
SHEEN**



**DECORATIVE**



**IMPACT  
RESISTANT**



**DRY HEAT  
RESISTANT**



**STAIN  
RESISTANT**

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# Un-CHALLENGED APPLICATION

For vertical and horizontal (with glass) application.



↑  
99999  
Silver

Shutters

\*Image shown are for reference. Actual product may vary.

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Reception

99988  
Bronze

\* Image shown are for reference, Actual product may vary.

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↑  
99999  
Silver

Wall Panels

\*Image shown are for reference. Actual product may vary.

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99988  
Bronze

Center Table

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Image shown are for reference. Actual product may vary.

## *Un*-CHALLENGED SECTORS

Merino Metalam laminates are designed to add a touch of class or to bring out radiance and brilliance of your décor surface. With high-gloss finish in metallic, the ranges can be used in sectors like - premium residential, offices and business centers, media and entertainment, retail and hotels.

↑  
99988  
Bronze



Offices & Business

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\*Image shown are for reference, Actual product may vary.



## Signage and Display

\*Image shown are for reference, Actual product may vary.

## Mirror Décor

With a mirror-like finish, the Mirror Décor is designed to shine. Whether you want to add a touch of class or dazzle up your room, you can amp up any space with the metallic high-gloss finish of the Mirror Décor.

### IRRESISTIBLE FEATURES:



**MIRROR  
FINISH**



**DECORATIVE**



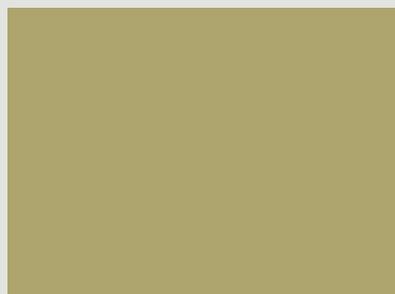
**IMPACT  
RESISTANT**



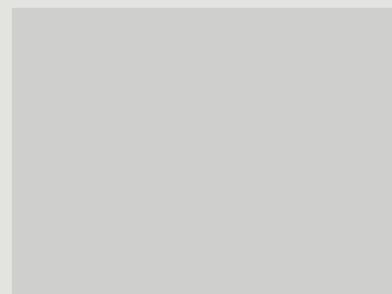
**STAIN  
RESISTANT**



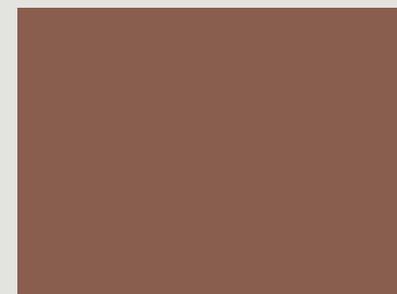
98989 **V** Steel Mirror



98998 **V** Goldy Mirror



98999 **V** Silver Mirror



98995 **V** Cuppric Mirror

**V** Less abrasion and stain resistance due to metallic ink (vertical use only).

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## Un-CHALLENGED MERINO METALAM RANGE



99998 MT V Gold



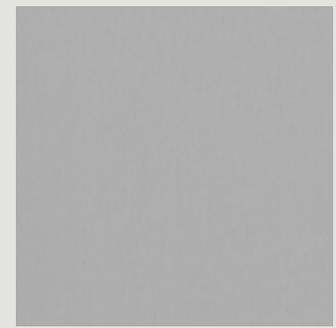
99999 MT V Silver



99988 MT V Bronze



99989 MT V Steel



99987 MT V White Metal

V Less abrasion and stain resistance due to metallic ink (vertical use only).

### Vertiline



99998 VL V Gold



99999 VL V Silver

### Jewel



99998 JW V Gold



99999 JW V Silver

## AVAILABILITY MATRIX

Product	Thickness	Sizes in feet	Finishes	Designs
Merino Metalam	0.7 mm & above	4 x 8 and 4 x 10	Matt, VL, JW	5 Designs
Mirror Décor	0.8 mm & above	4 x 8 and 4 x 10	High Gloss	4 Designs

Note: 4x10 feet size not available in VL & JW Finishes

VL- Vertiline

JW- Jewel

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## Test Values of Merino Metalam as per EN438-3

Properties		Test Method as Per EN 438-2	Standard Result as Per EN 438-3	Test Result of MERINO
Design No.				99998
Finish				MATT
Thickness Tolerance		Clause No. 5	±0.10	0.03
Length & Width Tolerance		Clause No. 6	+10mm	+05mm
			-0mm	-0mm
Resistance to immersion in Boiling water Appearance (Grade not worse Than)	Gloss	Clause No.12	≥Rating-3	Rating-5
	Others		≥ Rating-4	
Resistance to Water Vapour Appearance (Grade not Worse than)	Gloss	Clause No.14	≥ Rating-3	Rating-5
	Others		≥ Rating-4	
Resistance to Dry Heat at 180°C Appearance (Grade not worse than)	Gloss	Clause No.16	≥ Rating -3	Rating-5
	Others		≥ Rating-4	
Dimensional Stability at elevated temp. (Max. %)	Machine Direction	Clause No.17	≤ 0.75%	0.62%
	Cross Direction		≤ 1.25%	0.84%
Resistance to Impact by Small –Diameter Ball		Clause No. 20	≥ 15 N	20 N
Resistance to Cracking		Clause No. 23	≥ Rating-4	Rating-5
Resistance to Staining (Grade not Worse than)	Group 1 & 2	Clause No. 26	Rating -5	Rating-5
	Group 3		≥ Rating-4	Rating-5
Resistance to Cigarette Burns Appearance (Grade not Worse than)		Clause No. 30	≥ Rating-3	Rating-4

### Limited warranty

Merino Industries Limited & Merino Panel Product Ltd. warrant that, under normal use & service, the material & workmanship of their products shall conform to the standards set forth on the applicable technical data sheet for limited life time warranty from the date of sale to the first consumer purchaser. Dealers & distributors are provided with the technical data sheets, which contain specific standards of performance of the product. In the event that a Merino Industries Limited or a Merino Panel Product Limited product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use the product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of Merino Industries Limited and Merino Panel Product Limited has the authority to modify the obligation or limitation of this warranty.

## **MERINO INDUSTRIES LTD.**

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**UAE: E:** merinouae@merinoindia.com

[www.merinolaminates.com](http://www.merinolaminates.com)



ECONOMY • EXCELLENCE • ETHICS

TUFF  
GLOSS MR+



ECONOMY • EXCELLENCE • ETHICS

NEW  
EXCLUSIVE  
COLLECTION

MR+

MICRO SCRATCH  
RESISTANCE  
MAKES THE  
DIFFERENCE



UNBELIEVABLE SURFACES  
*by Merino*

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◆ **About MR+** >

◆ **Composition / Features** >

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◆ **Technical Data** >

◆ **Warranty** >

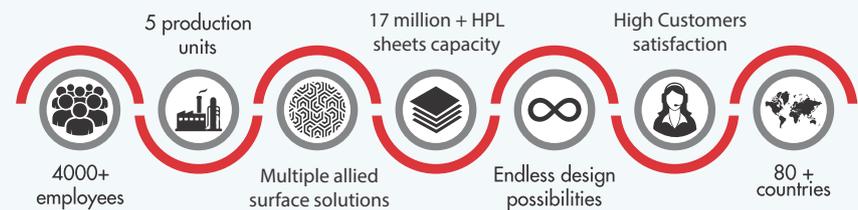




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## CERTIFICATIONS



"IGBC - MP - 081076"

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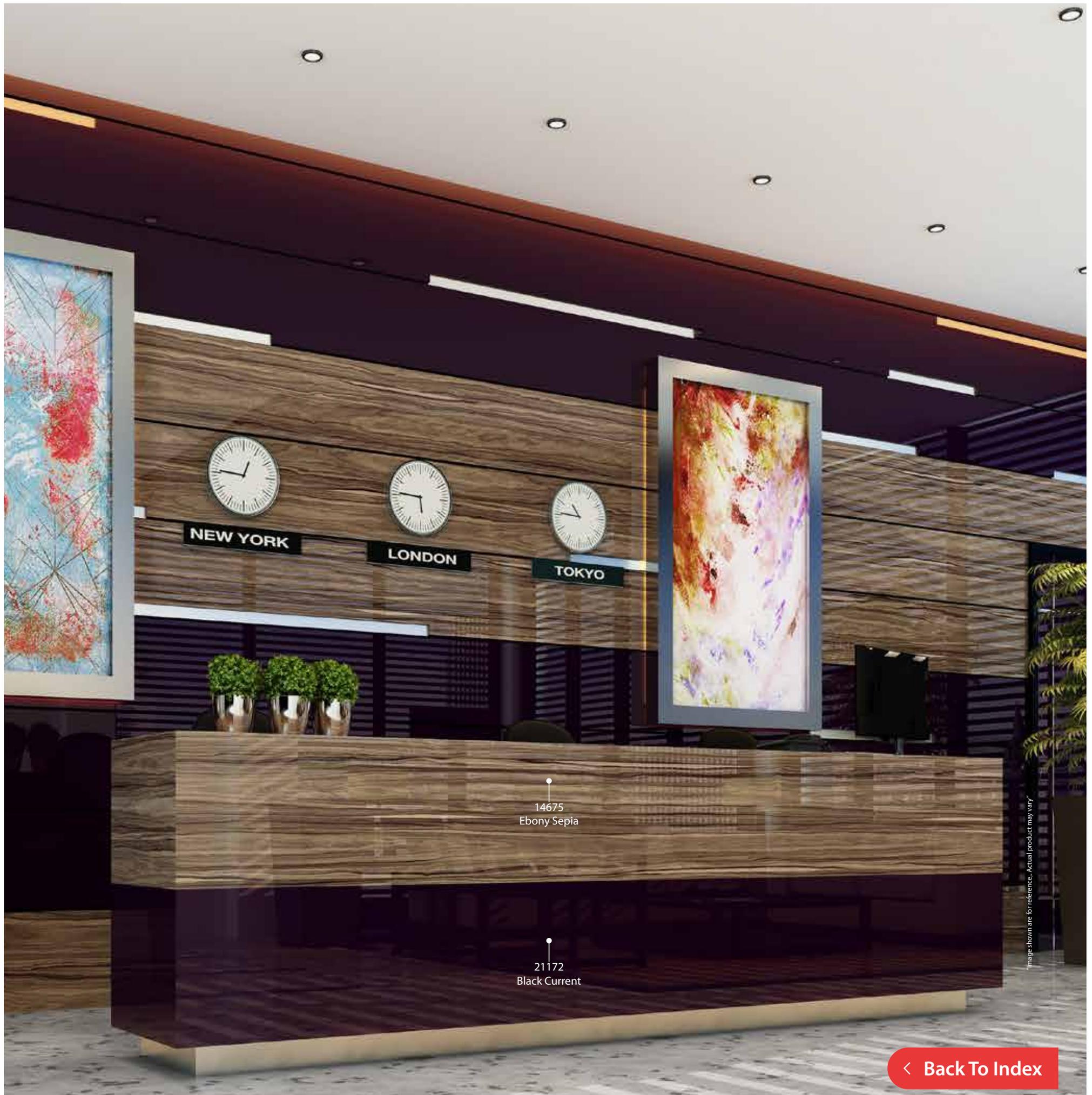
"Image shown are for reference. Actual product may vary"

## THE *Un*-BEATABLE TUFF GLOSS MR+

Super-gloss mar resistant laminates.

Tuff Gloss MR+ is a range of laminates with high gloss finish which is strongly resistant to micro scratches and abrasions (mar and scuff). Mar resistance is the ability of a surface to resist permanent deformation/micro-scratches resulting from the application of a dynamic mechanical force. An unbeatable match of highly-reflective surface and toughest resistance to damage gives you the liberty to handle laminates carefree.





14675  
Ebony Sepia

21172  
Black Current

"Images shown are for reference. Actual product may vary"

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22112  
Adriatic Blue

14675  
Ebony Sepia

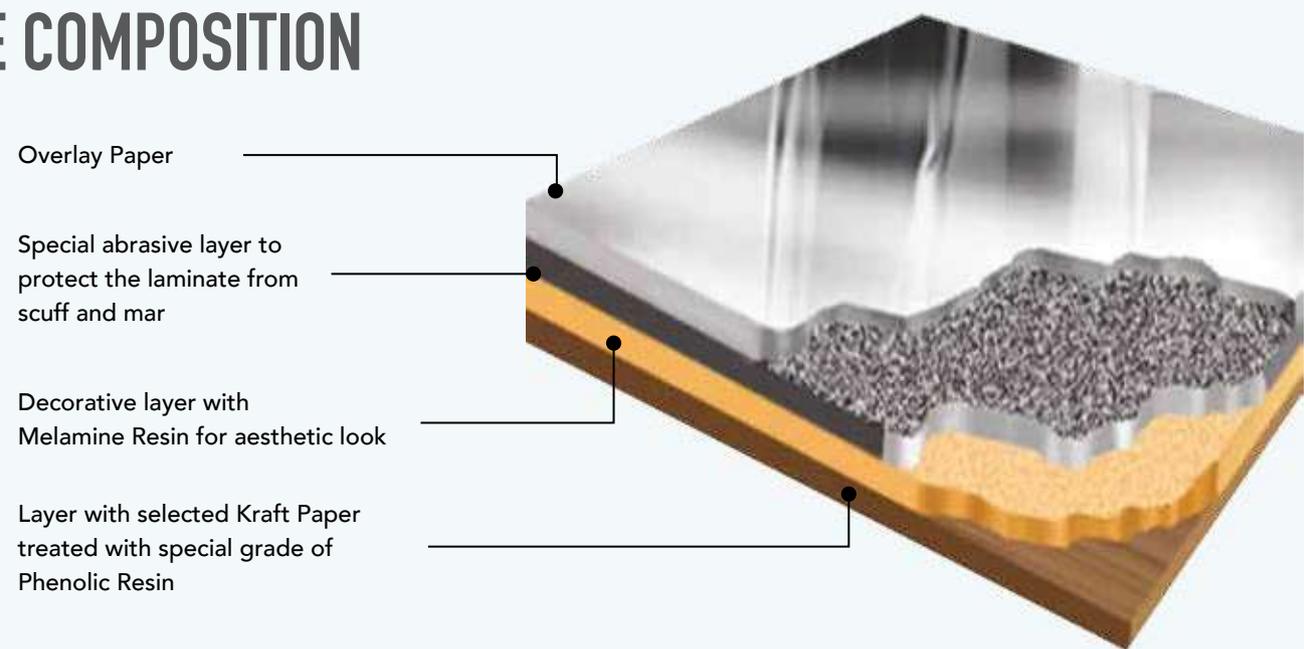
40232  
Soft Travertine

**MAR**   
**RESISTANT**

\*Image shown are for reference. Actual product may vary.

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# Un-BEATABLE COMPOSITION



A layer with selected Kraft Paper is treated with special grade of Phenolic Resin. This is followed by a decorative layer which has Melamine Resin, for an aesthetic look that is strong within. Then, a special abrasive layer is added to protect the laminate from scuff and mar. The aluminum oxide particles in the layer gives 3-4 times better resistance to abrasion and scuff. The gloss is protected 4 times longer as compared to standard high-gloss laminate. The process is completed with an overlay paper.

# Un-BEATABLE FEATURES



MAR  
RESISTANT



GLOSS LEVEL -  
110 AT 60° ANGLE



ABRASION  
RESISTANT



DRY HEAT  
RESISTANT



STAIN  
RESISTANT



SCUFF  
RESISTANT

# Un-BEATABLE APPLICATION

For both horizontal and vertical surfaces.



21187  
Champagne

Wardrobe and Cabinets

\*Image shown are for reference. Actual product may vary

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14675  
Ebony Sepia

21023  
Dark Citrus

Cabinets

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"Image shown are for reference. Actual product may vary"



**Premium Kitchen Tops**

22105  
Berry Bunch

\*Image shown are for reference. Actual product may vary\*

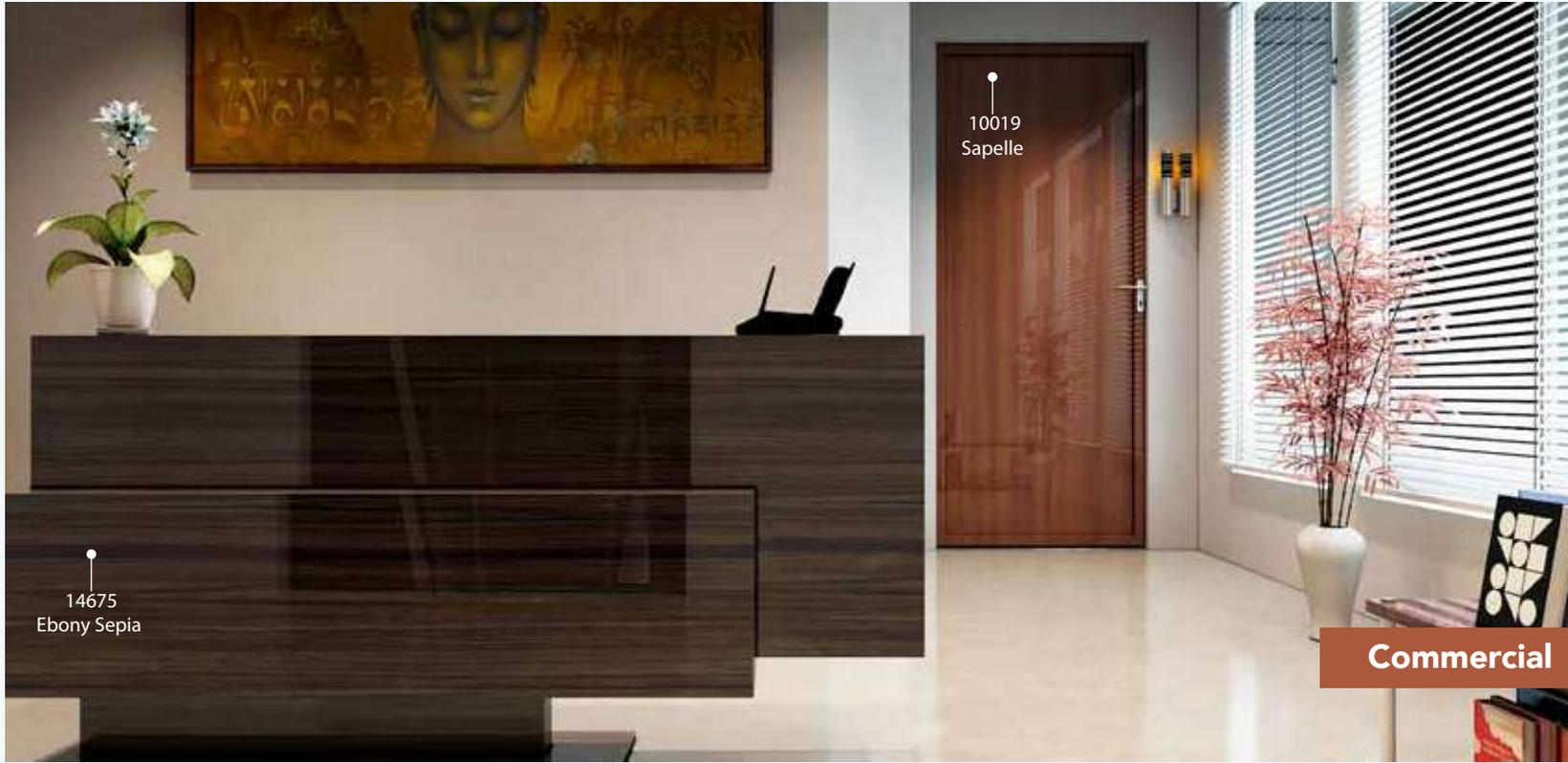
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# Un-BEATABLE SECTORS

Merino Tuff Gloss MR+ is crafted for a high aesthetic appeal with sturdiness. This makes it suitable for tough use without compromising on beauty.

This is why Merino Tuff Gloss MR+ is especially applicable in sectors like - residential, commercial, media and entertainment, retail, wellness centres, hotels and hospitality.

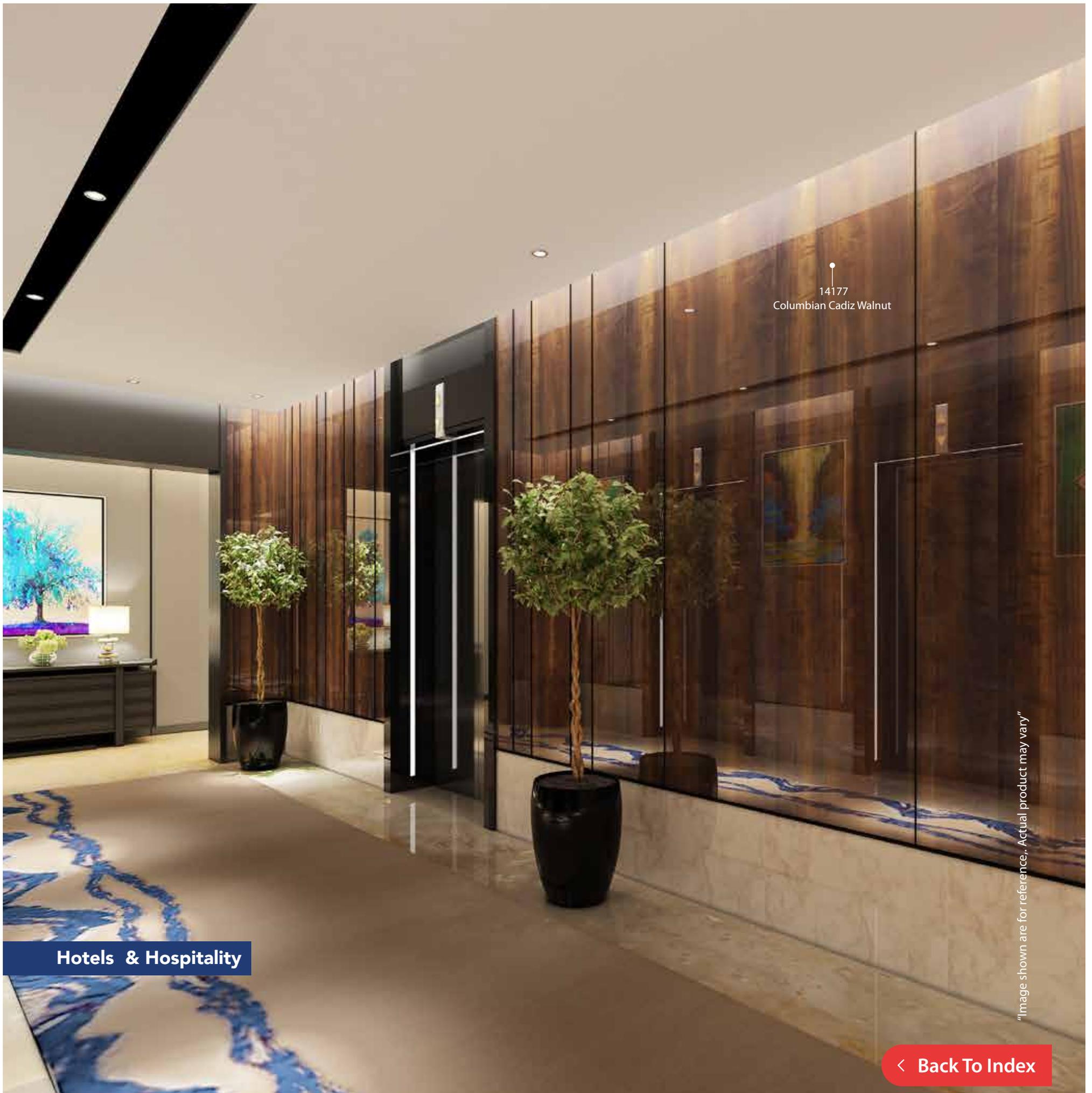




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"Image shown are for reference. Actual product may vary"

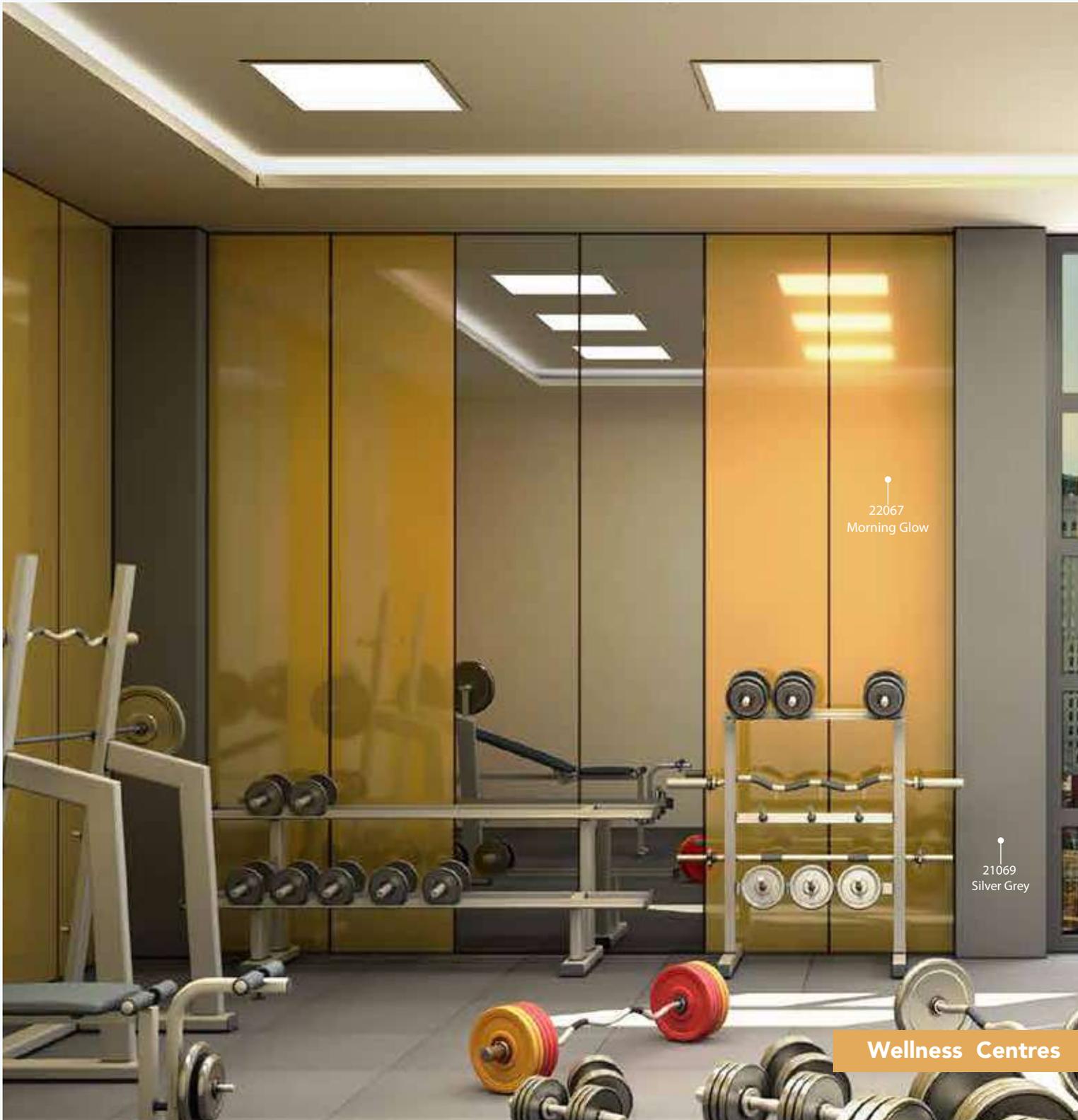


14177  
Columbian Cadiz Walnut

"Image shown are for reference. Actual product may vary"

**Hotels & Hospitality**

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22067  
Morning Glow

21069  
Silver Grey

Wellness Centres

"Image shown are for reference. Actual product may vary"

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# Un-BEATABLE FORM

## LAMIPLY

It is the coming together of laminates on plywood for your ready-to-use furniture needs. It helps save time, money and gets you the advantage of a machine pressed board.

## MR+LAMIPLY

It is a step higher in the world of laminates. It's the wonder created when the decorative MR+ Tough Gloss laminate is pasted on the calibrated BWR plywood to give you a perfect glossy surface.

## REASONS TO CHOOSE MERINO MR+ TOUGH GLOSS LAMIPLY



SCUFF  
RESISTANT



MAR  
RESISTANT



QUALITY  
PRODUCT



READY  
TO USE



TOUGH  
BONDING



SUPERIOR  
DIMENSIONAL  
STABILITY



TERMITE  
RESISTANT



DENSE  
BWR PLYWOOD

### CHARACTERISTIC

### DESCRIPTION

Thickness

19mm

Surface Finish

MR Hi-Gloss

Sheet Size

8 ft x 4 ft

Balancing

White Laminate

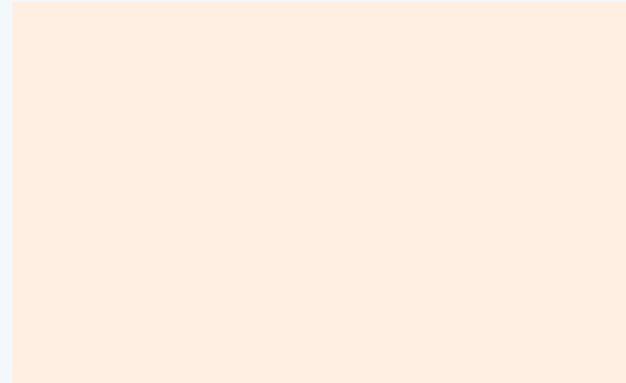
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## UNI MR<sup>+</sup>

UNI+ is a unique combination of high quality Merino decorative laminates and homogenous solid colour. The uniform colour of the laminate makes it ideal for tabletops, countertops and more.

Get rid of black edges with unique range of homogeneous solid colours, having the same colour of decorative surfaces and core layers, giving perfect uniformity in look and design.

Merino UNI+ Unicolour Laminates also Comes with MR+ properties give excellent Mar resistance. Therefore it can maintain the gloss level three times longer than ordinary High Gloss Laminates. Lab result shows 95% gloss retention after being scrubbed with calibrate as per procedure defined by ATSM D6037- 96(Reapproved in 2008)



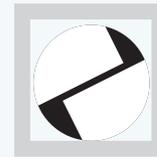
21187 UNI MR+  
Champagne



**ABRASION  
RESISTANT**



**MAR  
RESISTANT**



**EDGELESS  
COLOUR FINISH**



**DRY HEAT  
RESISTANT**



**COLOUR  
FAST**



**STAIN  
RESISTANT**

## *Un*-BEATABLE RANGE - NEW WOODGRAINS



**NEW 14187 MR+** Mareb Ontario Oak



**NEW 14661 MR+** Glaston Walnut

## *Un*-BEATABLE RANGE – NEW WOODGRAINS



**NEW** 14670 MR+ Clent Alto Oak



**NEW** 14641 MR+ Laural Oak Wind



**NEW** 14662 MR+ Titter Walnut

## *Un*-BEATABLE RANGE - WOODGRAINS



**14613 MR+** Doredos Cottage Pine



**\*14675 MR+** Ebony Sepia



**NEW 14674 MR+** Ebony Peat

\*Designs also available in 5x12feet

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## *Un*-BEATABLE RANGE - WOODGRAINS



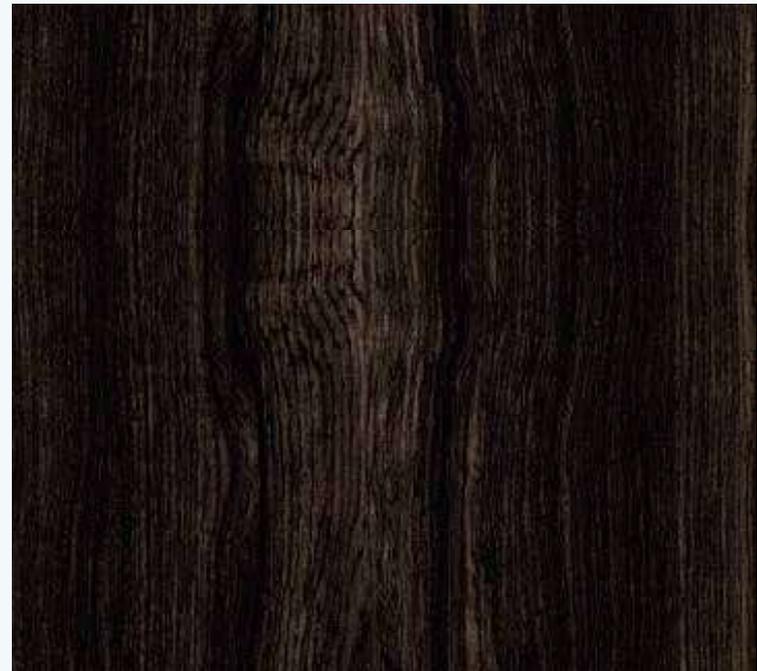
**\*10019 MR+** Sapelle



**10515 MR+** Carsima Wood



**10592 MR+** Orchard Delight



**14690 MR+** Alhamara Wood

\*Designs also available in 5x12feet

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## *Un*-BEATABLE RANGE - WOODGRAINS



**\*14177 MR+** Columbian Cadiz Walnut



**14178 MR+** Cherry Cadiz Walnut



**14477 MR+** Columbian Horizontal Walnut



**14478 MR+** Cherry Horizontal Walnut

\*Designs also available in 5x12feet

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## Un-BEATABLE RANGE – WOODGRAINS



**14619 MR+** Mansal Ulura Walnut



**14698 MR+** Eternity Bistro Walnut



**14406 MR+** Horizontal Wallis Plum



**10502 MR+** Elevated Wood

\*Designs also available in 5x12feet

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## Un-BEATABLE RANGE - PATTERN



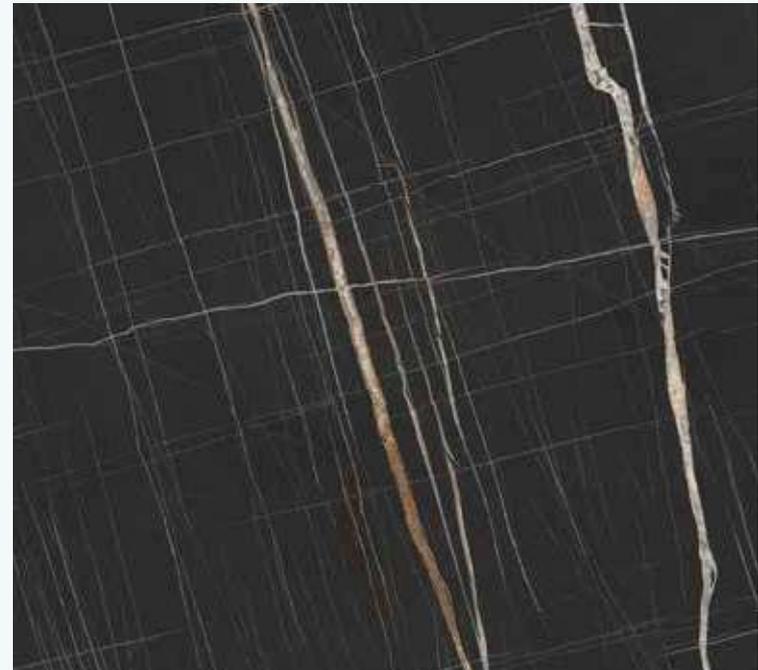
**NEW** 40475 MR+ Blanco Ibiza



**NEW** \*40268 MR+ Stagger Marble



**NEW** \*40294 MR+ Caldera Marble



**NEW** \*40478 MR+ Barmer Dark Marble

\*Designs also available in 5x12feet

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## *Un*-BEATABLE RANGE - PATTERN



**NEW** 44722 MR+ Triton



**NEW** 44503 MR+ Bermuda Triangles



**\*40232 MR+** Soft Travertine

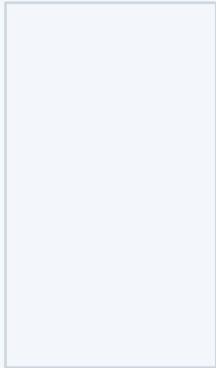


**44773 MR+** Rustic Dreams

\*Designs also available in 5x12feet

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## Un-Beatable Range - Solids



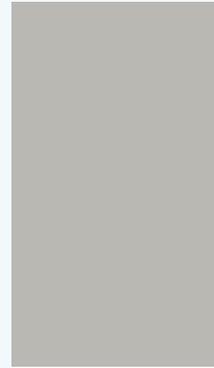
**\*21081 MR+**  
White Lily



**21091 MR+**  
Frosty White



**\*21187 MR+**  
Champagne



**NEW \*21069 MR+**  
Silver Grey



**\*21027 MR+**  
Irish Cream



**NEW 21037 MR+**  
Beige



**NEW 21127 MR+**  
Tan



**NEW 22034 MR+**  
Confetti



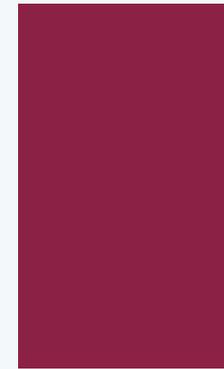
**21114 MR+**  
Bubblegum



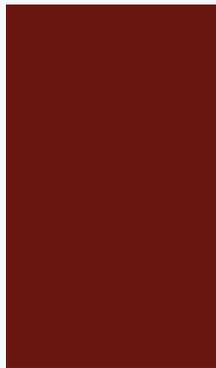
**NEW 22134 MR+**  
Flamingo Pink



**22172 MR+**  
Enigma



**22115 MR+**  
Fiesta Rose



**21055 MR+**  
Shangrila



**\*22105 MR+**  
Berry Bunch



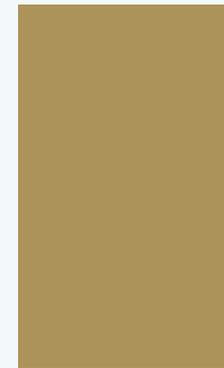
**\*21057 MR+**  
Marigold



**21163 MR**  
Lime



**NEW 21143 MR+**  
Parrot Green

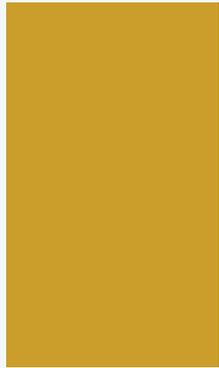


**21023 MR+**  
Dark Citrus

\*Designs also available in 5x12feet

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## Un-BEATABLE RANGE - SOLIDS



**22017 MR+**  
Parakeet



**22067 MR+**  
Morning Glow



**\*21065 MR+**  
Cardinal



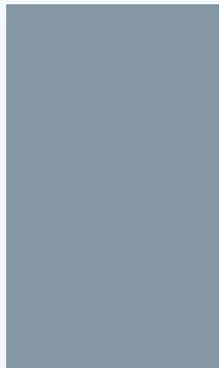
**22119 MR+**  
Autumn Leaf



**NEW 22062 MR+**  
Tropical Blue



**22112 MR+**  
Adriatic Blue



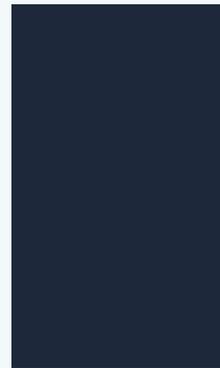
**21162 MR+**  
Winter Sea



**NEW 21142 MR+**  
Polar Blue



**22102 MR+**  
Trooper



**NEW 21022 MR+**  
Midnight Blue



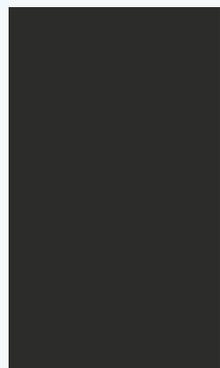
**21172 MR+**  
Black Current



**22129 MR+**  
Cobble Stone



**NEW 21038 MR+**  
Mocha



**22109 MR+**  
Pearl Black



**\*21066 MR+**  
Black

## Test Values of Merino MR+ Grade Laminate as per (EN438-3)

Properties	Test Method as per EN 438-2 Clause No.	Property or attribute	Unit (max or min)	Values as per EN 438-3	Merino Value
Thickness Maximum Variation	5		mm	±0.10mm	±0.10mm
Length & Width	6		mm	+10mm -0.0mm	+10mm -0.0mm
Density	EN ISO 1183	Density	g/cm <sup>3</sup>	≥1.35	>1.35
Resistance to Surface wear	10	Wear Resistance	Revolution (min)	≥350	>1000
Resistance to Impact by Small diameter Ball	20	Spring Force	N(min)	≥20	>20
Resistance to Scratching	25	Force	Rating (see annex a)	3	≥3
Dimensional stability at elevated temperature	17	Cumulative dimensional change	% long % Cross	≤ 0.55 ≤ 1.05	<0.45 < 0.90
Resistance to immersion in boiling water	12	Appearance	Grade (min) Gloss Finish Other finish	3 4	>3 >4
Resistance to dry Heat at 180°C	16	Appearance	Grade (min) Gloss Finish Other finish	3 4	>3 >4
Resistance to Staining	26	Appearance	Rating Group-1&2 Group-3	≥5 ≥4	5 ≥4
Resistance to water vapor	14	Appearance	Grade (min) Gloss Finish Other finish	3 4	>3 >4
Light Fastness (Xenon arc)	27	Contrast	Gray Scale Rating	4 to 5	>4
Resistance to cigarette burn	30	Appearance	Grade (min)	3	>3
Gloss Level at 60° angle		Appearance		>105	>110
Micro Scratch Resistance Gloss Retained (%)	ASTM D-6037	Appearance		≥95	>95

Disclaimer – Please note that MR+ Tough Gloss is not scratch proof, it has superior mar and scuff resistance. Use of knife, keys and scourer or abrasive cleaners may scratch and damage the surface.

## AVAILABILITY MATRIX

Product	Thickness	Sizes in feet	Finishes	Designs
Tuff Gloss MR+	0.7 mm & above	4 X 8, 4 X 10	High Gloss	All 61 Designs
		5 x 8, 5 X 12		16 Designs
		4.3 x 10		13 Designs

### Limited warranty

Merino Industries Limited & Merino Panel Product Ltd. warrant that, under normal use & service, the material & workmanship of their products shall conform to the standards set forth on the applicable technical data sheet for a period of twelve (12) months from the date of sale to the first consumer purchaser. Dealers & distributors are provided with the technical data sheets, which contain specific standards of performance of the product. In the event that a Merino Industries Limited or a Merino Panel Product Limited product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use the product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of Merino Industries Limited and Merino Panel Product Limited has the authority to modify the obligation or limitation of this warranty.

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[www.merinolaminates.com](http://www.merinolaminates.com)



ECONOMY • EXCELLENCE • ETHICS

UNI+



ECONOMY ♦ EXCELLENCE ♦ ETHICS

UNI+

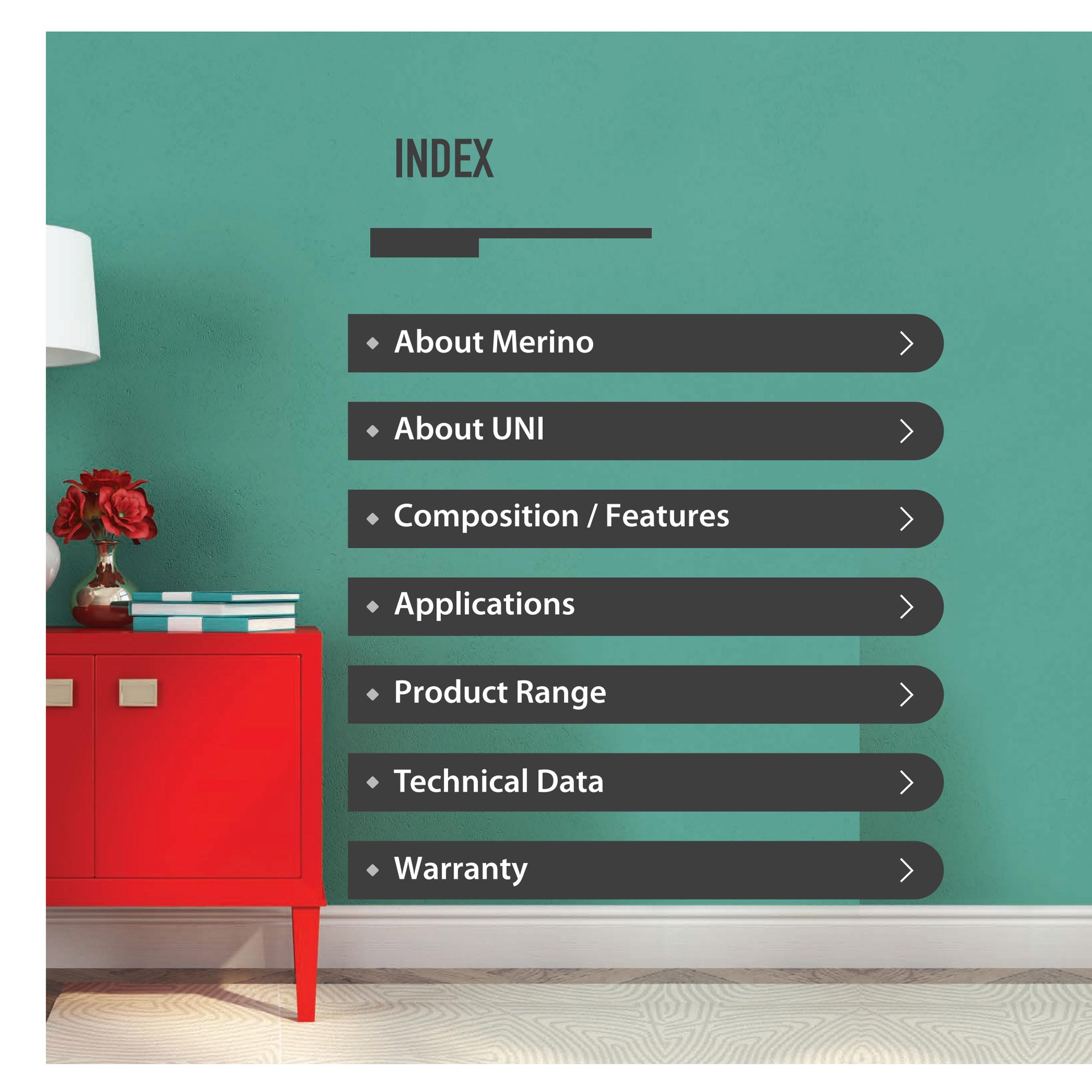
COLOUR  
BALANCE  
MAKES THE  
DIFFERENCE

UNBELIEVABLE SURFACES  
by Merino

## **Disclaimer**

“ For Visual representation only. Design Range & Finishes are subject to change without prior notice. Actual Design & Color may vary when viewed in digital format. Please contact your nearest Merino Dealer / Merino Team for order fulfillment”

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◆ About Merino >

◆ About UNI >

◆ Composition / Features >

◆ Applications >

◆ Product Range >

◆ Technical Data >

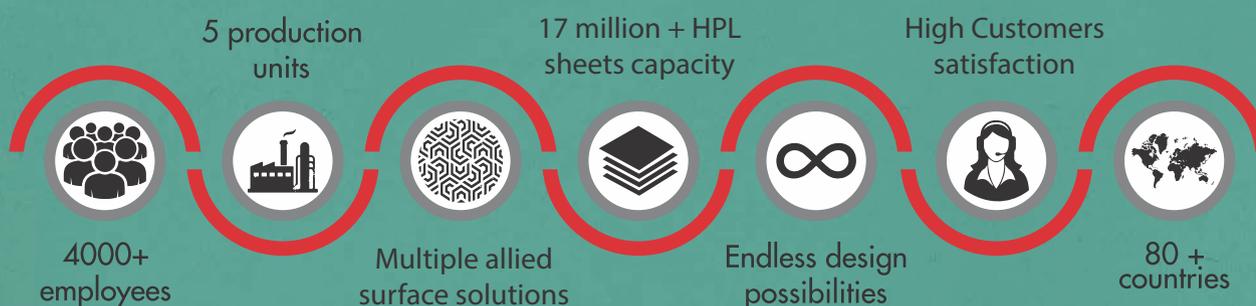
◆ Warranty >



ECONOMY ♦ EXCELLENCE ♦ ETHICS

## ABOUT MERINO

The Merino Group is a leading player in the laminates and panel industry. The first product was plywood, launched in 1974 and later it spread its wings into high-pressure decorative laminates in 1981. The Group has diverse business interests expanding into Interior Architectural Products, Information Technology and Food & Agro business. Over 4000 employees, 5 production units and multiple allied surface solutions having endless design possibilities are what ensure a consistent range of superior quality products and the Group's continuous significant growth in the challenging market scenario. With innovation and perfection at its core, Merino commits to the highest manufacturing standards with a strong customer support.



## CERTIFICATIONS



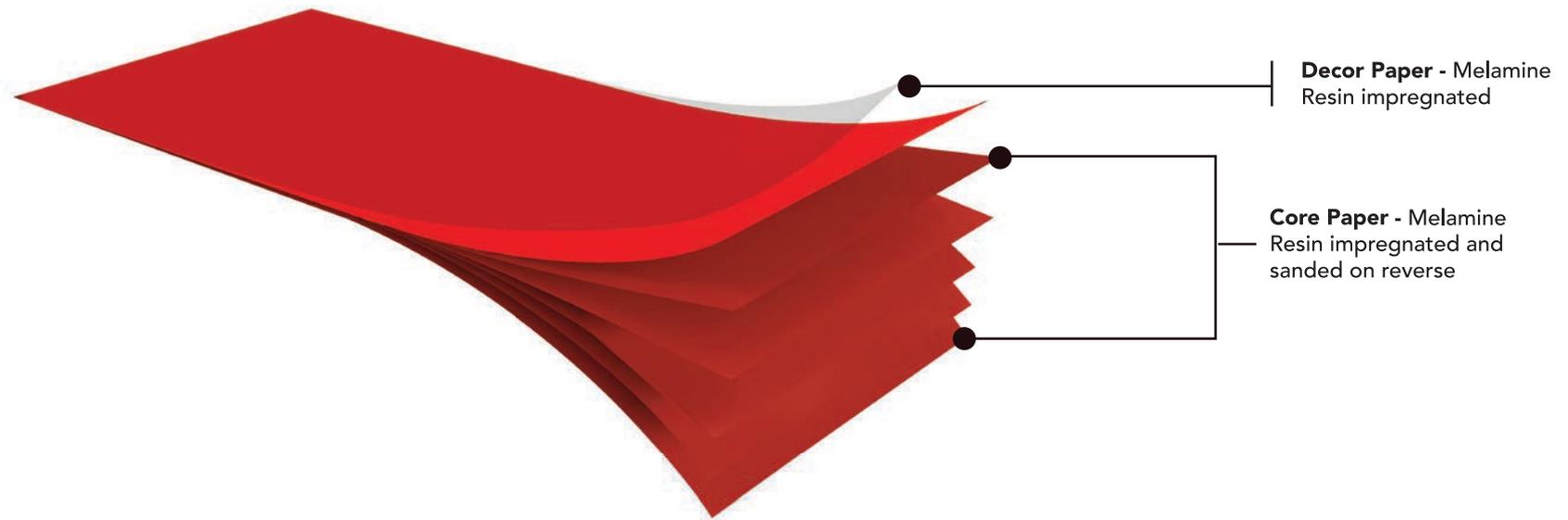
ISO 14001:2004  
OHSAS 18001:2007  
ISO 9001:2008



"IGBC - MP - 081076"

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## Un-DIVIDED COMPOSITION



The core comprises of the same colour paper as the top which is impregnated with Melamine Resin and is sanded on the reverse side. The top décor paper has Melamine Resin that provides resistance to damage.

## Un-DIVIDED FEATURES



**EDGELESS  
COLOUR FINISH**



**ABRASION  
RESISTANT**



**DECORATIVE**



**STAIN  
RESISTANT**



**DRY HEAT  
RESISTANT**

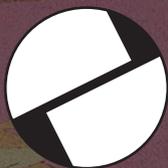


**COLOUR  
FAST**

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# EDGELESS COLOUR FINISH



\*Image shown are for reference. Actual product may vary\*

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# THE *Un*-DIVIDED UNICOLOUR (UNI+)

Seamless edge laminates.

UNI+ series comes in a unique combination of high-quality decorative laminates and homogeneous solid colour. The uniformity in colour of the core and the top makes it an ideal choice for tabletops, countertops and more. The consistent look lets the beauty of solid colours flow seamlessly.

The undivided finesse of the décor is a work of art in the world of laminates.

21069  
Silver Grey

"Image shown are for reference. Actual product may vary"

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# Un-DIVIDED APPLICATION

For both horizontal and vertical surfaces.



21057  
Marigold



Kitchen

"Image shown as a reference. Actual product may vary"

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21066  
Black

Display Shelves

[← Back To Index](#)

Image shown are for reference. Actual product may vary

**Delivering Oven - Baked Goodness**  
*Since 1960*

21065  
Cardinal

Bar & Lounge Areas

\*Image shown are for reference. Actual product may vary\*

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Kids Room

21091  
Frosty White

[Back To Index](#)

Images shown are for reference. Actual product may vary.



21481  
Neo White Lily

Reception & Conference Rooms

\*Image shown are for reference..Actual product may vary

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## *Un*-DIVIDED SECTORS

Merino Unicolour UNI+ is made for an aesthetic appeal with seamless edge. The core and the top colour consistency gives a unique grace to the décor.

This is why Merino Unicolour UNI+ can be used in sectors like – premium residential, commercial, retail and wellness centres.

21481  
Neo White Lily

Premium Residential

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Image shown are for reference, Actual product may vary



"Image shown are for reference. Actual product may vary"

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Retail

21091  
Frosty White

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\*Image shown are for reference. Actual product may vary.



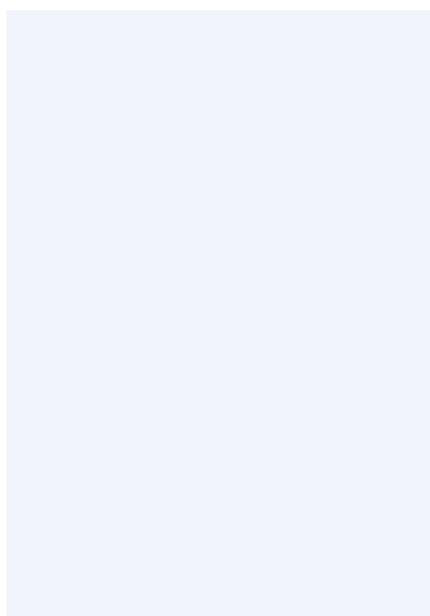
21481  
Neo White Lily

Commercial

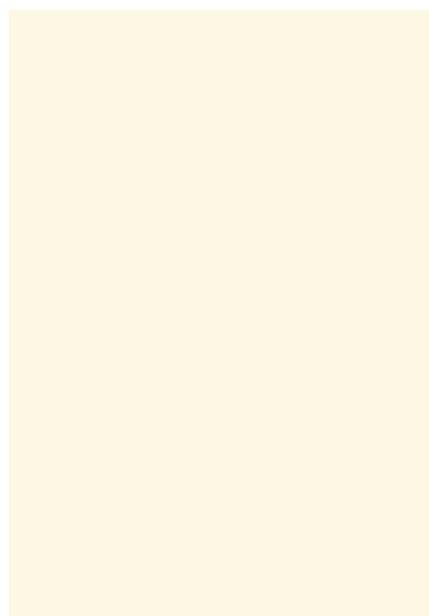
"Image shown are for reference, Actual product may vary"

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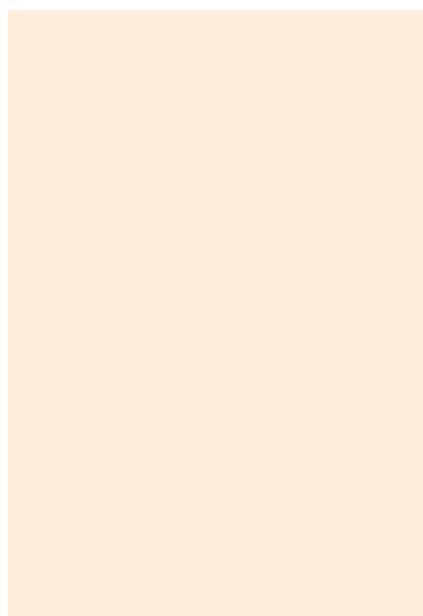
## *Un*-DIVIDED RANGE – UNI+



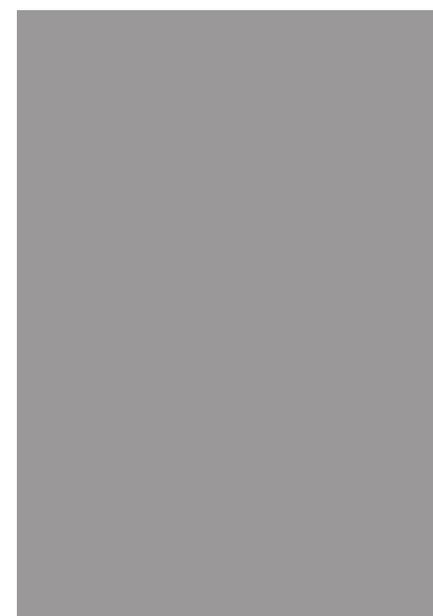
**21481 UNI+** Neo White Lily



**21091 UNI+** Frosty White



**21187 UNI+** Champagne



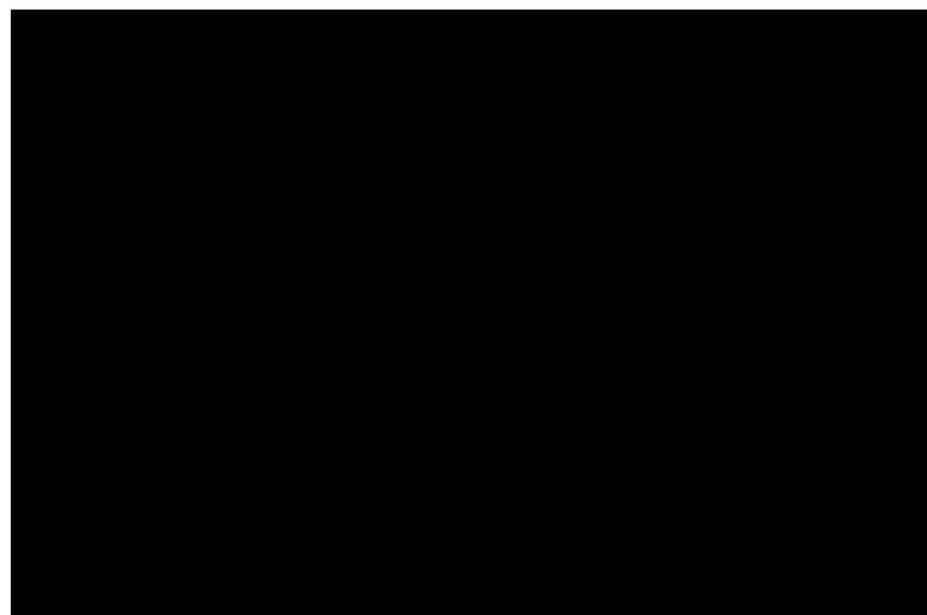
**21069 UNI+** Silver Grey



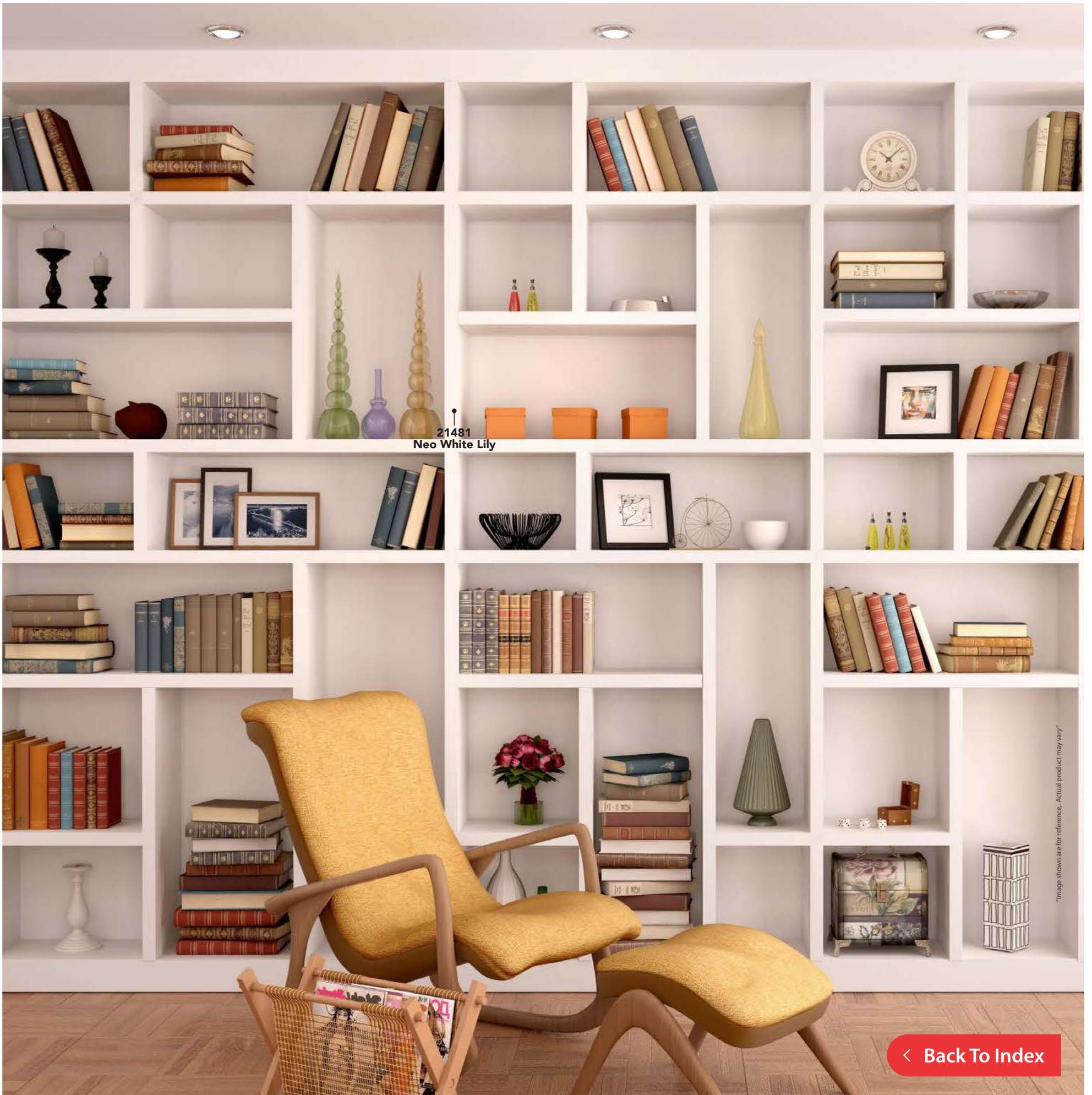
**21057 UNI+** Marigold



**21065 UNI+** Cardinal



**21066 UNI+** Black



21481  
Neo White Lily

"Image shown are for reference. Actual product may vary"

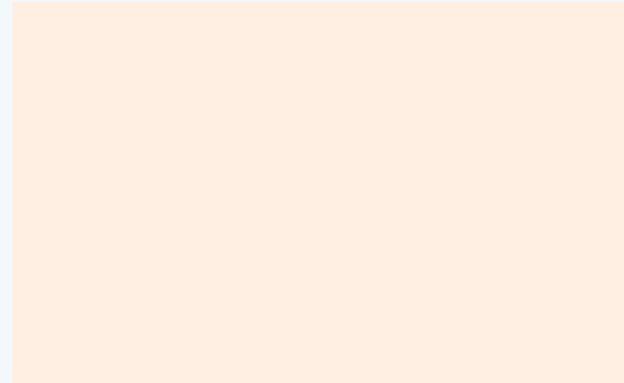
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## UNI MR<sup>+</sup>

UNI+ is a unique combination of high quality Merino decorative laminates and homogenous solid colour. The uniform colour of the laminate makes it ideal for tabletops, countertops and more.

Get rid of black edges with unique range of homogeneous solid colours, having the same colour of decorative surfaces and core layers, giving perfect uniformity in look and design.

Merino UNI+ Unicolour Laminates also Comes with MR+ properties give excellent Mar resistance. Therefore it can maintain the gloss level three times longer than ordinary High Gloss Laminates. Lab result shows 95% gloss retention after being scrubbed with calibrate as per procedure defined by ATSM D6037- 96(Reapproved in 2008)



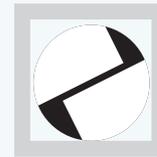
21187 UNI MR+  
Champagne



**ABRASION  
RESISTANT**



**MAR  
RESISTANT**



**EDGELESS  
COLOUR FINISH**



**DRY HEAT  
RESISTANT**

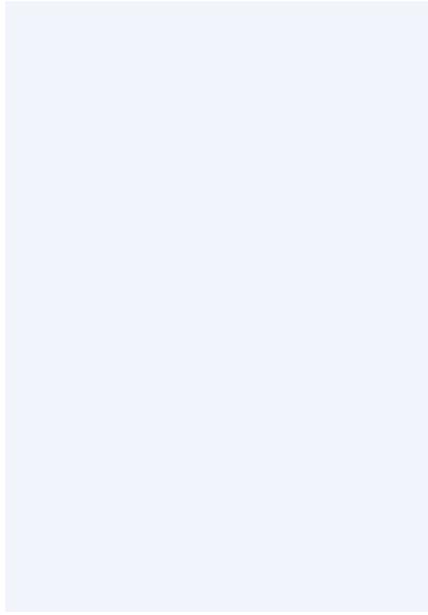


**COLOUR  
FAST**

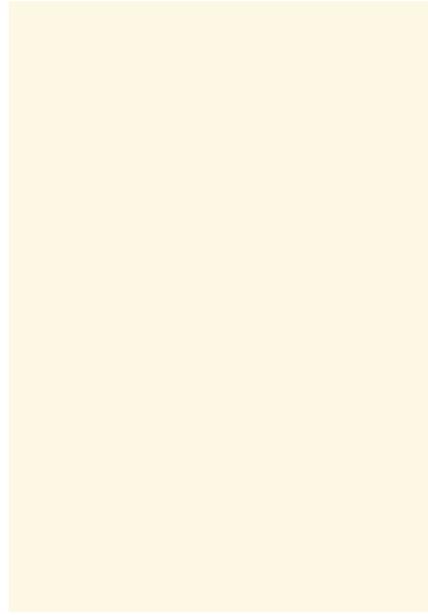


**STAIN  
RESISTANT**

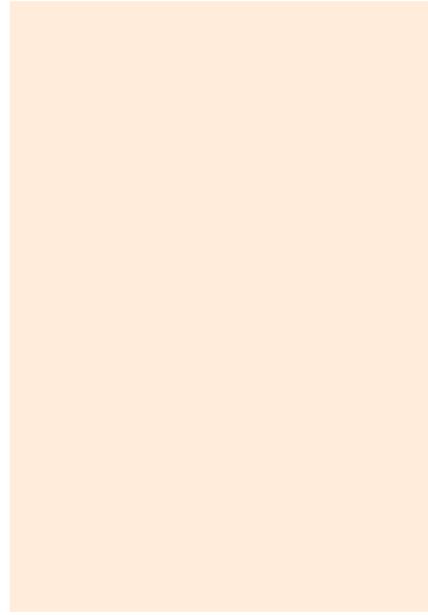
## Un-DIVIDED RANGE – UNI MR+



**21481 UNI+** Neo White Lily



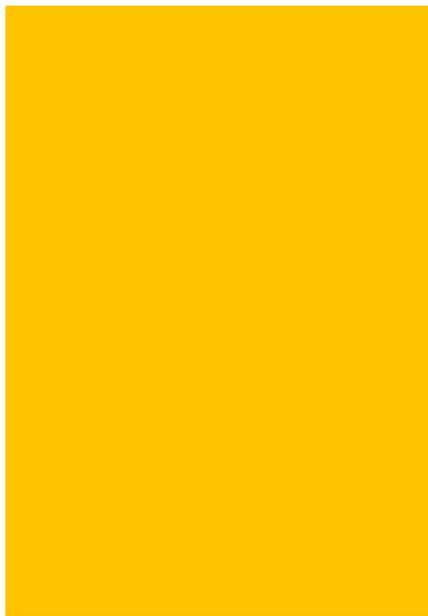
**21091 UNI+** Frosty White



**21187 UNI+** Champagne



**21069 UNI+** Silver Grey



**21057 UNI+** Marigold

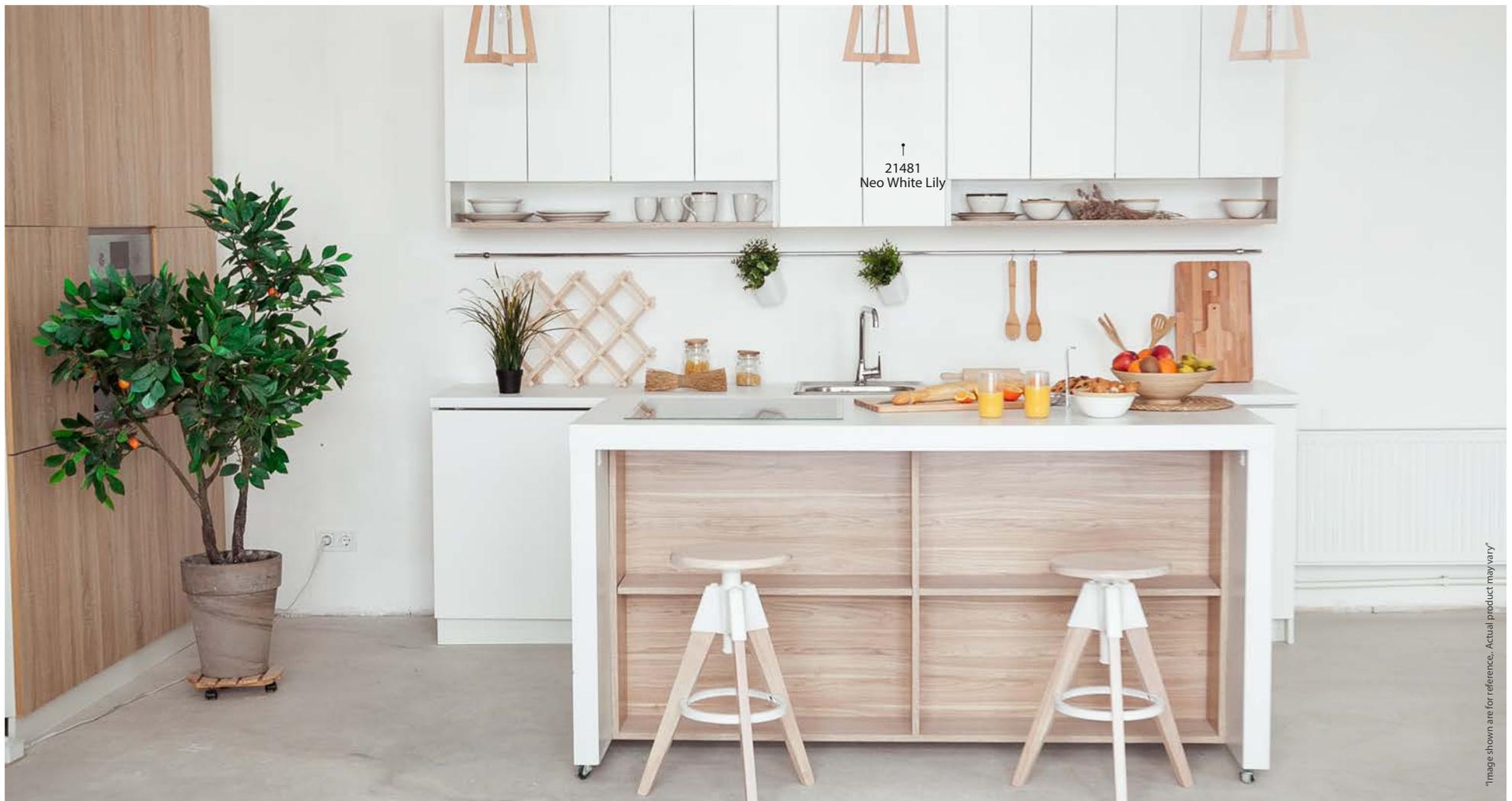


**21065 UNI+** Cardinal



**21066 UNI+** Black

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"Image shown are for reference. Actual product may vary"

## AVAILABILITY MATRIX

Product	Thickness	Sizes	Finishes	Designs
UNI +	0.7 mm & above	As per below table	As per below table	7 Designs

Note - For more designs refer Merinolam Catalogue or visit [www.merinolaminates.com](http://www.merinolaminates.com)

## FINISH AND SIZE MATRIX

Merino Finishes	Available Sizes (mm) width X length									
	1220 x 2440 (4 X 8 feet)	1220 x 3050 (4 X 10 feet)	1300 x 2440 (4.3 X 8 feet)	1300x 2800 (4.3 X 9)	1300 x 3050 (4.3 X 10 feet)	1550 x 2440 (5 X 8 feet)	1550 x 3660 (5 X 12 feet)	1550 x 4300 (5 X 14 feet)	Compact Only 1830 x 3660 (6 X 12 feet)	1830 x 4300 (6 X 14 feet)
Tuff Gloss (MR+)	Y	Y	-	-	Y	Y	Y	-	-	-
Hi-Gloss (HGL)	Y	Y	-	Y	Y	Y	Y	-	-	-
Matt (MT)	Y	Y	Y	Y	Y	-	-	Y	-	-
Suede (SF)	Y	Y	Y	-	Y	Y	Y	-	Y	Y
XT Matt (XMT)	Y	-	-	-	-	-	-	-	-	-

\*Door Size

915 x 2135 (mm) width X length also available in Suede Finish

980 x 2180 (mm) width X length also available in Matt Finish

### Disclaimer:

Unicolour should not be used with Plywood as substrate. We recommend use of MDF or Particleboard. Do not paste Unicolor more than 2ft in width as the sheet expands more in width then in length.

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## Test Values of Merino Unicolour (UNI+) Laminate

Properties		Test Method as per IS:2046	Test Result as per IS: 2046	Test Result of MERINO
Length & Width Tolerance		5.4.6	+10 mm - 0 mm	+10 mm - 0 mm
Thickness Tolerance		5.3	±0.10	±0.05
Resistance to Surface wear (Revolution Minimum)		C	≥ 350	>1000
Resistance to immersion in Boiling water	Increase in Thickness	D	≤12 %	<6.25 %
	Increase in Mass		≤10 %	<5.75 %
Resistance to Dry Heat at 180°C Appearance (Grade not worse Than)	Gloss	E	3	4
	Others		4	4
Dimensional Stability at elevated temp. (Max. %)	Machine Direction	F	≤ 0.55%	<0.35
	Cross Direction		≤ 1.05%	<0.55
Resistance to Impact by Small – Diameter Ball (Spring Force)		H	≥ 20N	22
Resistance to Scratching N (min)		L	≥ 2	>2
Resistance to Staining (Grade not Worse than)	Group 1 & 2	M	5	5
	Group 3 & 4		4	4
Resistance to Color change In Xenon arc Light (min)		N	6 (Wool Standard)	6 (Wool Standard)
Resistance to Cigarette Burns Appearance (Grade not Worse than)		P	3	3
Resistance to Steam Appearance (Grade not Worse than)		T	4	4

### Limited Warranty

Merino Industries Limited & Merino Panel Product Ltd. warrant that, under normal use & service, the material & workmanship of their products shall conform to the standards set forth on the applicable technical data sheet for a period of limited lifetime warranty from the date of sale to the first consumer purchaser. Dealers & distributors are provided with the technical data sheets, which contain specific standards of performance of the product. In the event that a Merino Industries Limited or a Merino Panel Product Limited product does not perform as warranted, the first purchaser's sole remedy shall be limited to repair or replacement of all or any part of the product, which is defective, at the manufacturer's sole discretion. This warranty is not transferable, and expires upon resale or transfer by first purchaser. This warranty shall not apply to defects or damage arising from any of the following: Accidents, abuse or misuse, exposure to extreme temperature, improper fabrication or installation, improper maintenance. No other warranties, expressed or implied, are made. Under no circumstances shall the manufacturer be liable for any loss or damage arising from the purchase, use, or inability to use the product, or for any special, indirect, incidental, or consequential damages. No fabricator, installer, dealer, agent or employee of Merino Industries Limited and Merino Panel Product Limited has the authority to modify the obligation or limitation of this warranty.

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