



ECONOMY • EXCELLENCE • ETHICS

THE WORLD OF MERINO

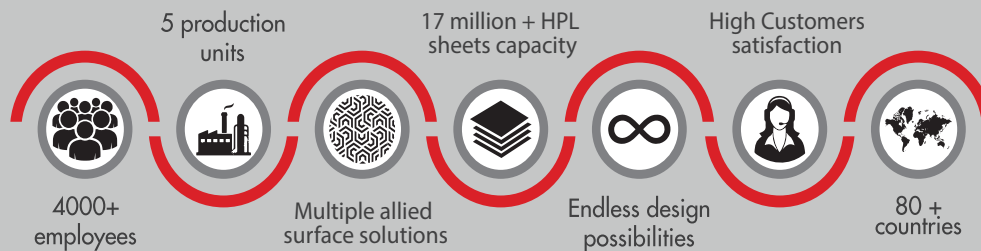
INFINITE SURFACES



ABOUT MERINO

Since its inception in 1965, the Merino Group has been a leading player in all its verticals. From the debut of its first product, Plywood, in 1974, to launching high-pressure decorative laminates in 1981, the Merino Group now has a global market presence in 6 continents with an annual turnover of 215 million USD in FY 2018-19. The Group has diverse business interests that expand into Interior Architectural Products, Information Technology, and Food and Agro Technology.

With over 4000 employees, 5 production units and a significant surge in its revenue, the Group continues to grow in a rapidly changing and ever-evolving market. With more than six allied surface solutions providing endless design possibilities, Merino ensures a consistent range of superior quality products. With innovation at its core, the Merino Group commits to the highest manufacturing standards with a strong customer support.



CERTIFICATIONS





ECONOMY ♦ EXCELLENCE ♦ ETHICS

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MERINO SHAURYA INTERNAL WALL CLADDING

IMPREZA COLORCORE TOPS

MERINO RESTROOM SOLUTIONS

STOVEN



ECONOMY • EXCELLENCE • ETHICS

WORLD^{DESIGNS}

Beautifully Strong inspirations
from around the world



MERINO LAM
DECORATIVE LAMINATES

Laminates that makes your furniture

Beautifully Strong

The world isn't just our planet,
it's our home.

Here hope speaks the language of love,
Emotions take the form of relationship,
Magic coexists with inspirations,
And strength stands for beauty.

This beautifully strong home
never ceases to amuse us,
And that's why,
it is the muse to our canvas.

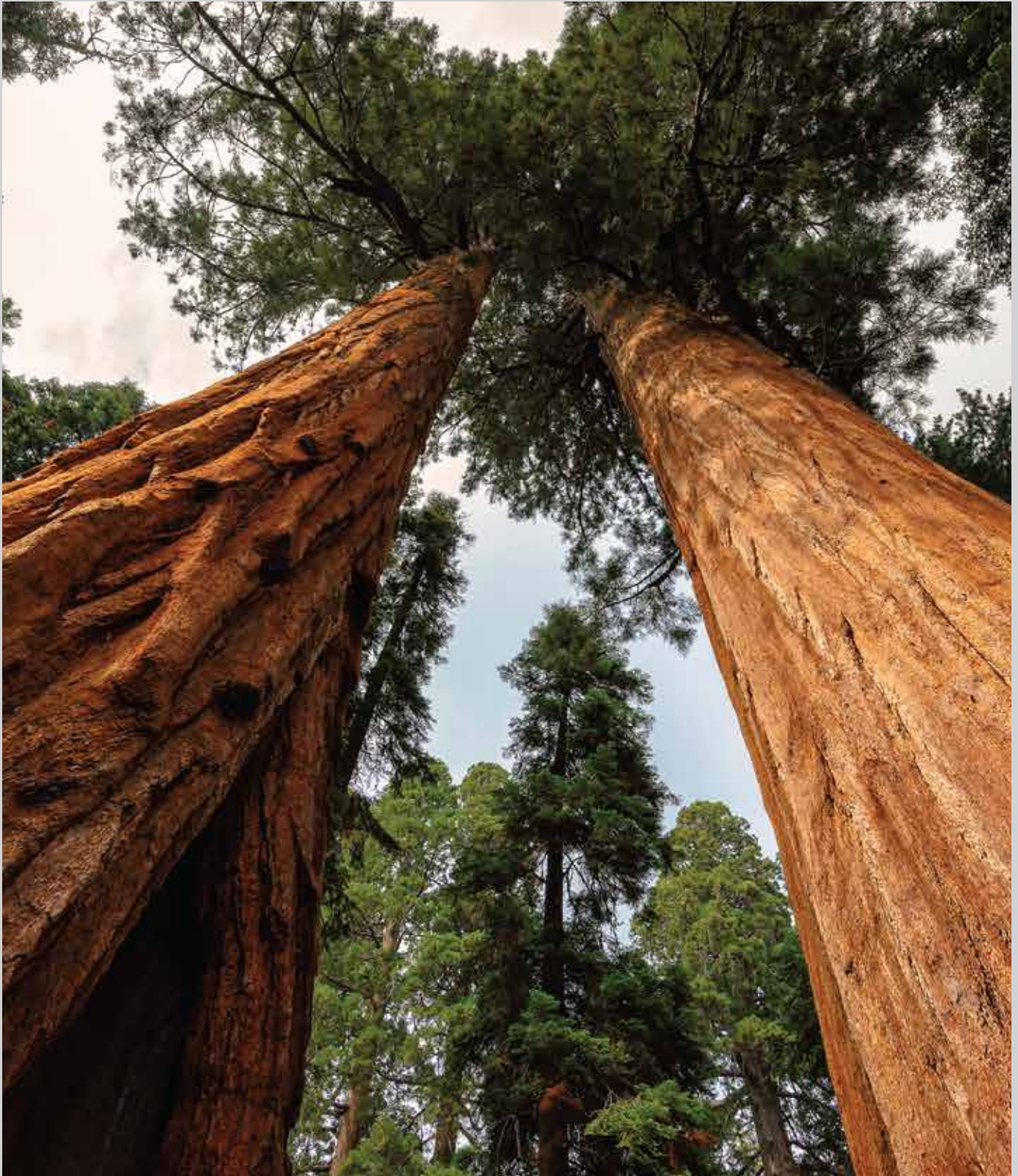
Presenting
WORLD DESIGNS
by
Merino Laminates

Beautifully Strong

WOODGRAINS

Inspired by the Giant Redwood Forest in California

The Woodgrains range is an ode to one of the greatest forests of the world. The range bears striking resemblance to naturally occurring classic species such as oak, maple, elm and cherry to more exotics like bamboo, teak and zebrawood.



RANGE



14932 Coal Willowood



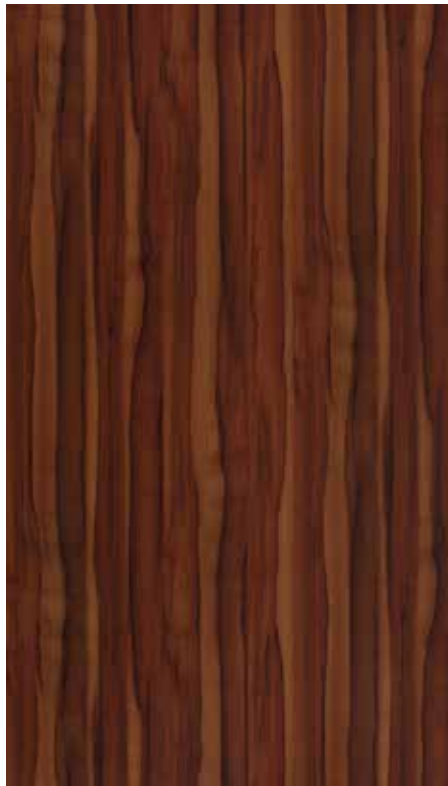
14178 Cherry Cadiz Walnut



10168 Mediterranean Oak



10502 Elevated Wood



10592 Orchard Delight

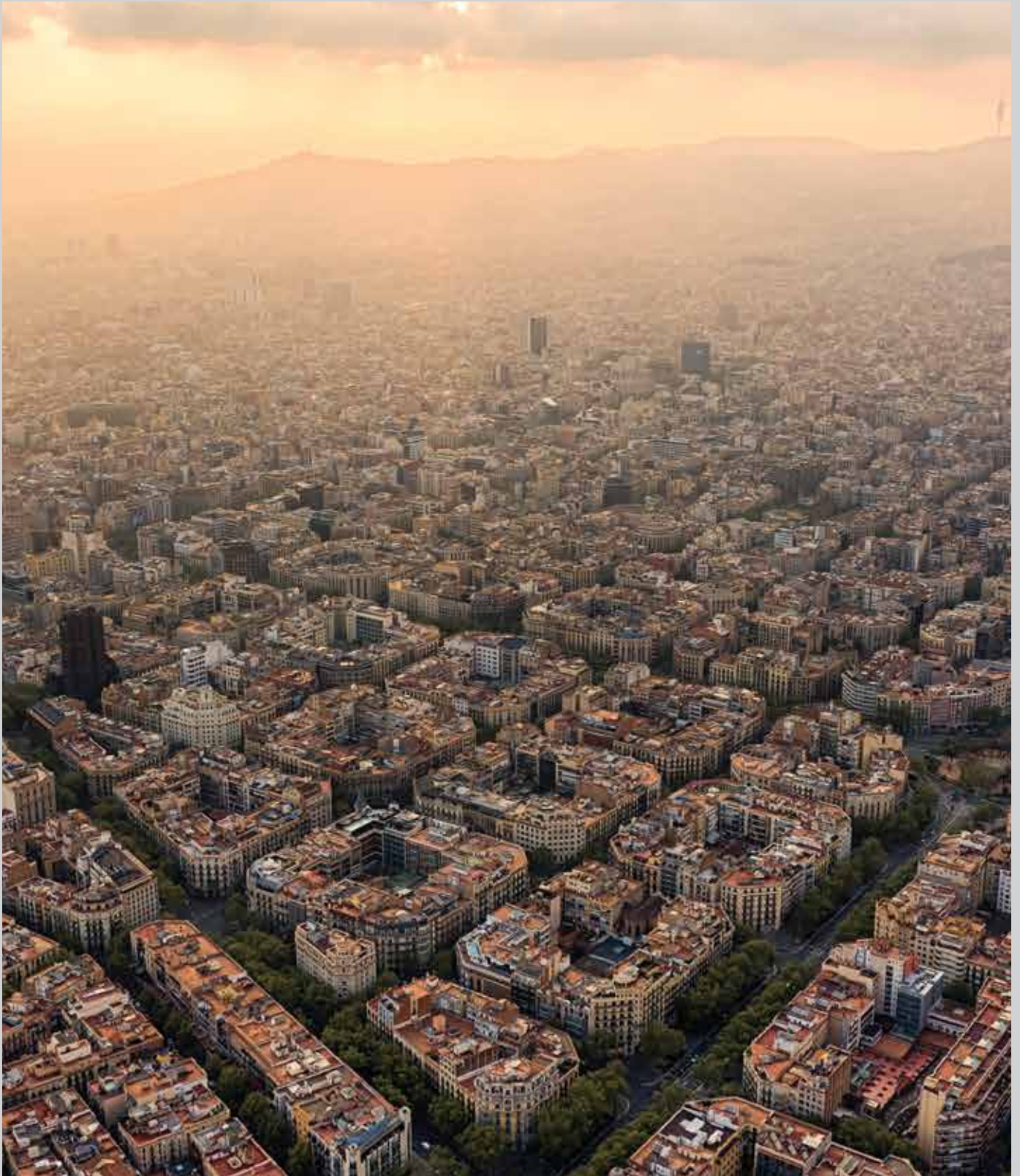


14693 VLY Smoked Rioja Oak

PATTERNS

Inspired by the district of Eixample in Barcelona

The Patterns range features an extensive assortment of patterns that are known for redefining surfaces. The designs included in this range mimics patterns of denim, rock, rust, etc. The range ranks high on decorative quotient and makes surfaces look exquisite.



RANGE



40267 Golden Campino



44260 Wall Stone



44281 Livid Krakato



44789 Rusty Oxid Metal



44792 Magna Oxid Copper

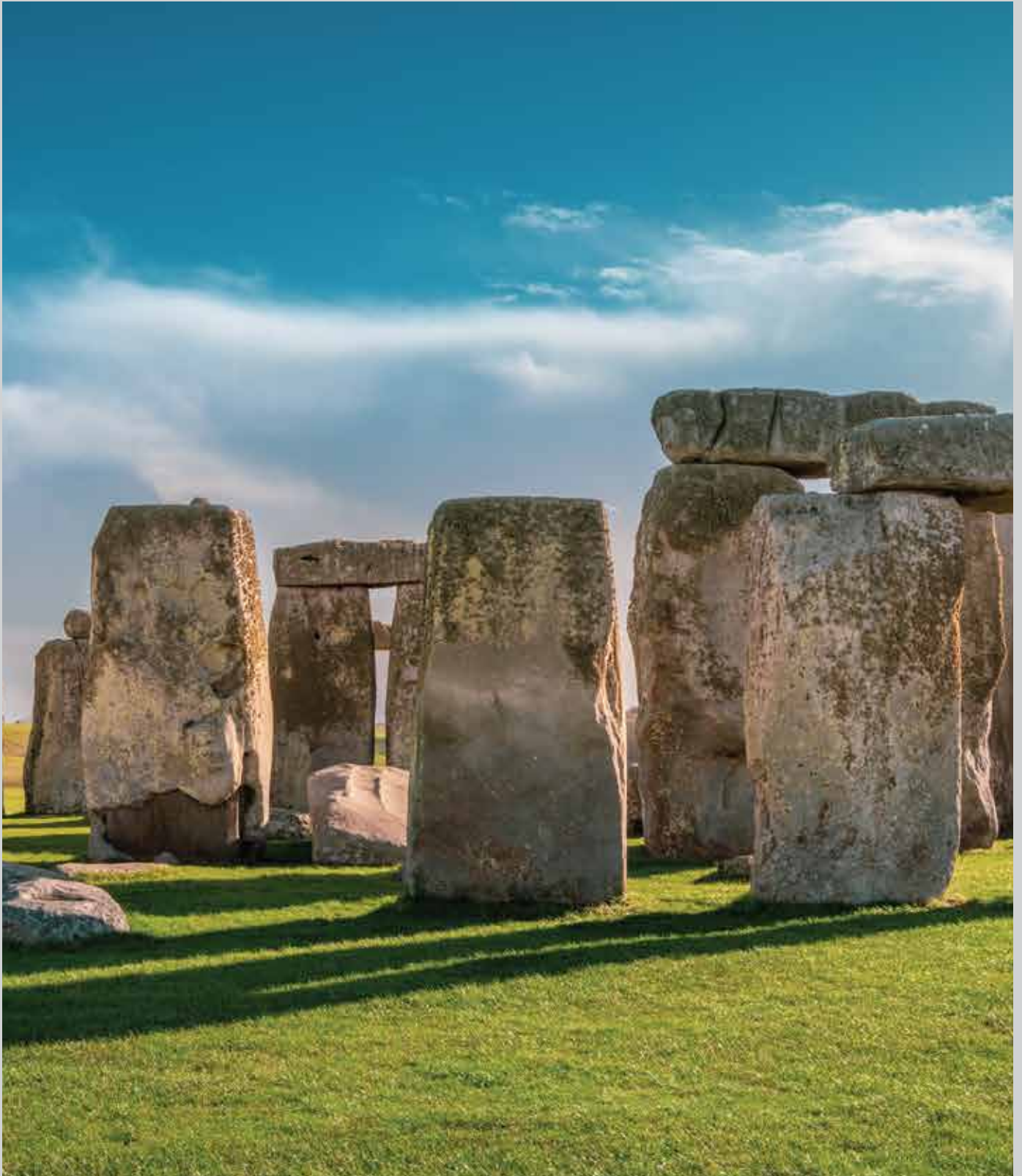


49953 Rugby Woodburst

STONE

Inspired by the Stonehenge in Wiltshire, England

Beauty is often etched in stone. The beautifully strong range of laminates are made from stone, yet they are ultra-light. They can be used on washroom walls, kitchen backsplashes, showers, and other decorative purposes.



RANGE



40474 Dim Sandstone



40001 Cloud Terrazzo



40002 GMS Caster Terrazzo



40003 Eon Shire Marble



40232 Soft Travertine



40266 Molten Granite

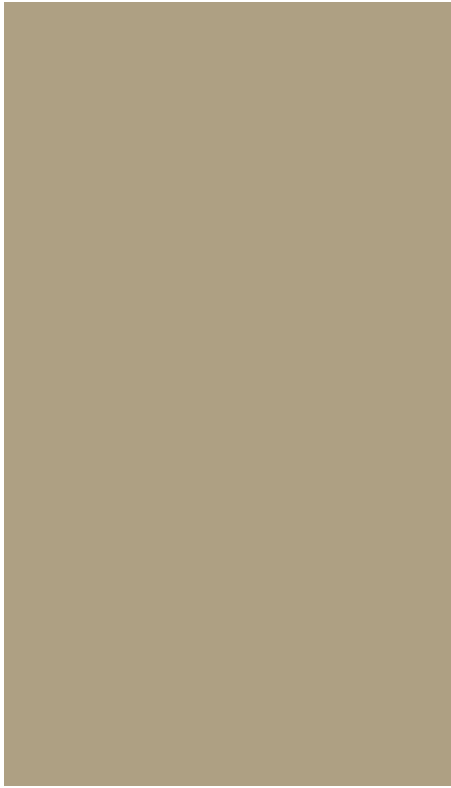
SOLIDS

Inspired by the Holi Festival in Vrindavan

The Solids range presents itself as a palette of hues that makes your beautiful surfaces more beautiful, featuring innumerable colours. This range adds a colourful minimalism to the decor, and makes it stand out.



RANGE



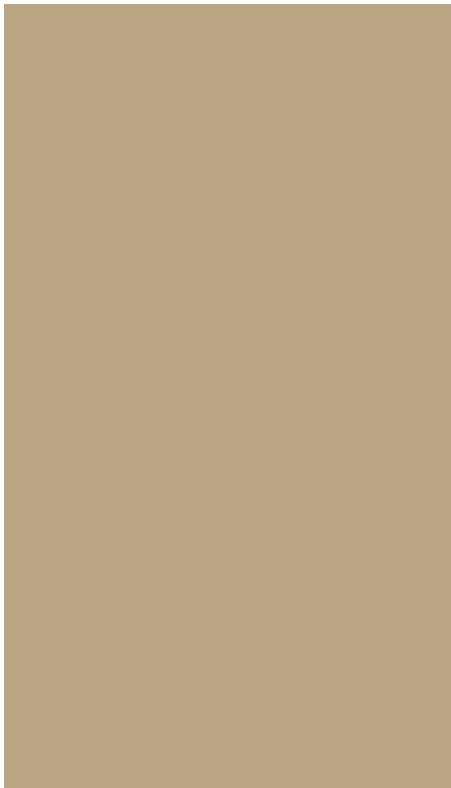
21087 Almond



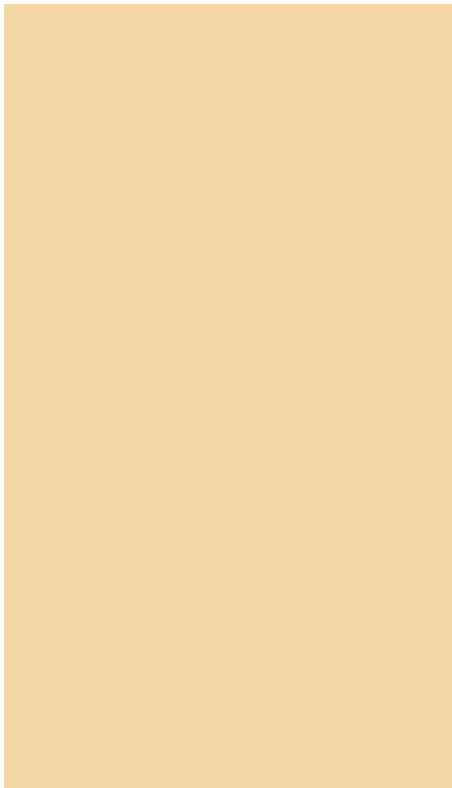
21387 Corn



21017 Magnolia



22087 Shell



21117 Saringa Cream

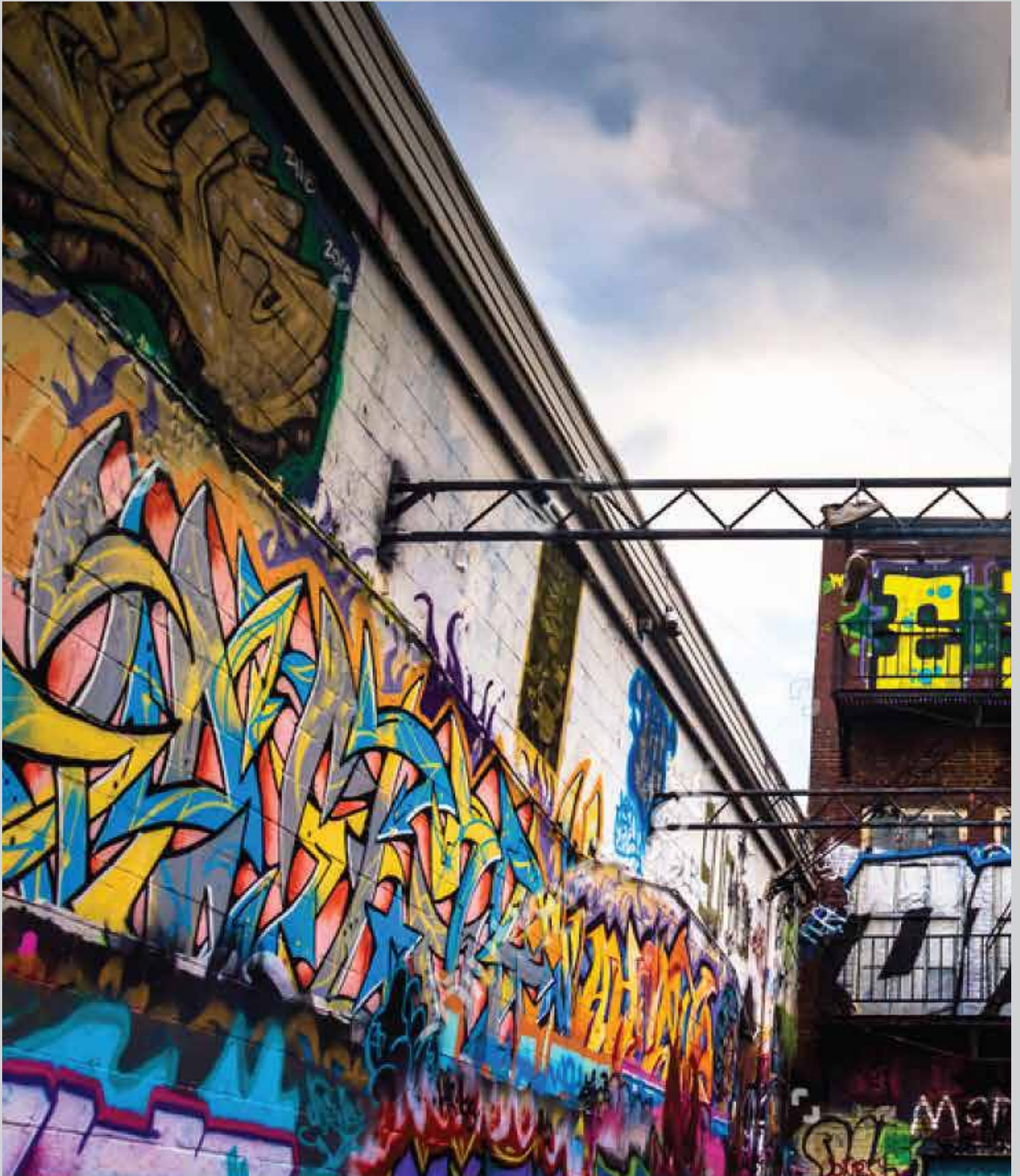


Solid 21069 Silver Grey

WRITEONS

Inspired by the Graffiti Alley in Baltimore, Maryland

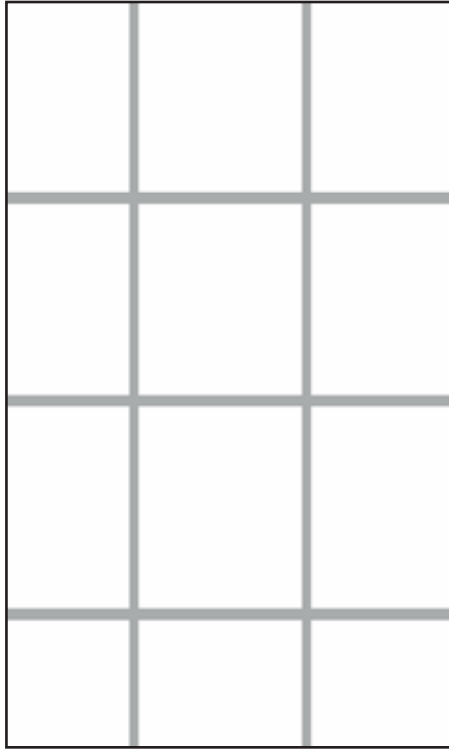
The range of laminates gives you the freedom to use the laminates not just for decorative purposes but also to explore your creativity. You can doodle, write a poem, write what's on your mind, and even sketch with ease. These writable surfaces come with effortless erasability.



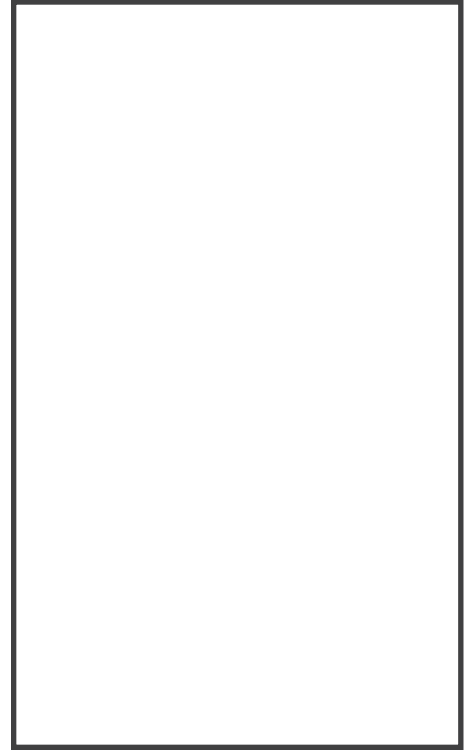
RANGE



21063 Chalk Board



25081 Graph Marker



22281 Marker board



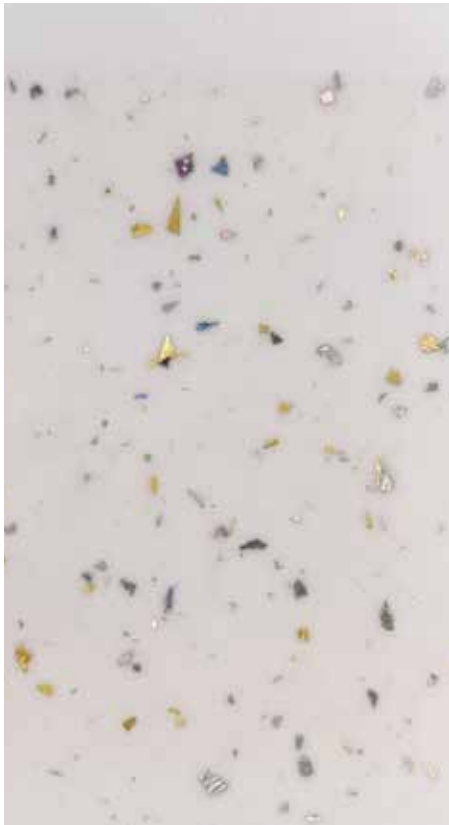
INFUSIO

Inspired by the Sumidagawa Fireworks Festival in Tokyo

This collection of premium laminates breaks the boundaries of innovation. By incorporating husks, metallized film, and holographic particles, these laminates offer a unique aesthetic value. These delightful designs can amp up any space for a distinct, yet elegant, look.



RANGE



G1941
Candy White Glint



G1066
Black Glint



F1007
Oyster Fusion



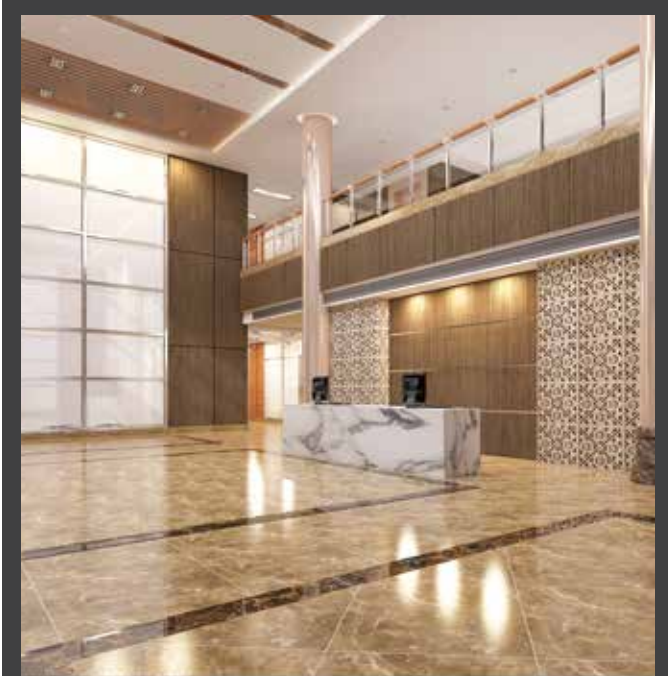
D3381
Neo Cool White Dusk



K1081
White Lily Mosaic

APPLICATION AREAS

Inspired by world, these laminates can revamp any space to make it look out of this world.



Commercial Complexes
For all kinds of interior solutions



Kitchens
Countertops, cabinets & shutters

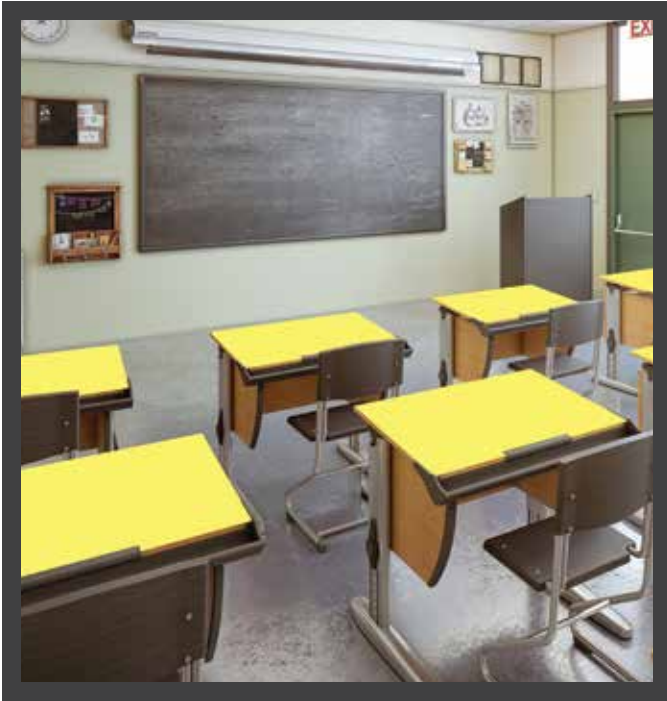


Furniture
For all kinds of furniture requirements



Hospitality
Hotels, motels and portable living spaces

APPLICATION AREAS



Education
Schools, colleges, and coaching centers



Entertainment Areas
Theatres, auditoriums, cineplexes and AV rooms

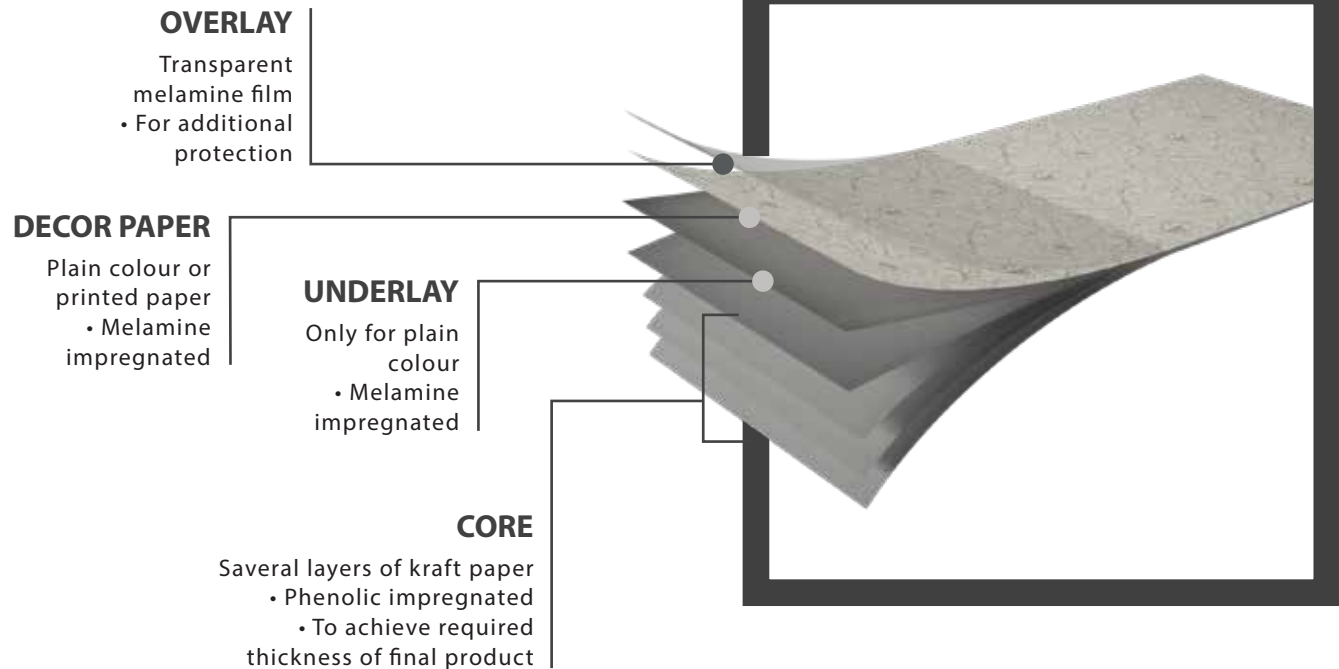


Hygiene
Washrooms and areas requiring cleanliness



Interiors
For all kind of interior solutions like partitions and panels

COMPOSITION



FEATURES

Merino Laminates don't just look beautiful, they remain beautiful. Equipped with unique features, these High Pressure Laminates are extremely durable. At Merino we call this Beautifully Strong.



**SCRATCH
RESISTANT**



**STAIN
RESISTANT**



**HIGH
IMPACT
RESISTANT**



**MOISTURE
RESISTANT**



**EASY
CLEANING**



**BOILING
WATER
RESISTANT**



**CIGARETTE
BURN
RESISTANT**



**HEAT
RESISTANT**



**FADE
RESISTANT**



**AESTHETICALLY
APPEALING**

TEST DATA



ECONOMY ♦ EXCELLENCE ♦ ETHICS

S.No.	Property	Test Method (EN 438-2) clause no. Unless otherwise stated	Property or attribute	Unit (max or min)	EN 438-3 HGS type	Typical Value Merino HGS	EN 438-3 VGS type	Typical Value Merino VGS
1	Resistance to surface wear	10	Wear resistance	Wear value	≥350	> 400	150	> 150
2	Resistance to impact by small diameter ball	20	Spring force	N (min)	20	22	15	>15
3	Resistance to scratching	25	Force	Rating	3	≥3	2	≥2
4	Dimensional stability at elevated temperature	17	Cumulative dimensional change	Longitudinal (% max)	0.55	<0.35	0.75	<0.65
				Transverse (% max)	1.05	<0.90	1.25	<1.0
5	Resistance to immersion in boiling water	12	Appearnace	Grade (min)	Gloss: 3 Other: 4	Gloss: ≥3 Other: ≥4	Gloss: 3 Other: 4	Gloss: ≥3 Other: ≥4
6	Resistance to dry heat (180°C)	16	Appearnace	Grade (min)	Gloss: 3 Other: 4	Gloss: ≥3 Other: ≥4	Gloss: 3 Other: 4	Gloss: ≥3 Other: ≥4
7	Resistance to wet heat (100°C)	EN 12721	Appearnace	Grade (min)	Gloss: 3 Other: 4	Gloss: ≥3 Other: ≥4	Gloss: 3 Other: 4	Gloss: ≥3 Other: ≥4
8	Resistance to staining -Grade (min)		Appearnace	Grade (min)				
	Groups 1&2				5	5	5	5
	Group 3				4	≥4	4	≥4
9	Light fastness (Xenon arc)	27	Contrast	Gray scale rating	4 to 5	≥4	4 to 5	≥4
10	Resistance to water vapour	14	Appearnace	Grade (min)	Gloss: 3 Other: 4	Gloss: ≥3 Other: ≥4	Gloss: 3 Other: 4	Gloss: ≥3 Other: ≥4
11	Resistance to cigarette burns	30	Appearnace	Grade (min)	3	≥3	3	≥3
12	Density	ISO 1183	Density	g/cm3 (min)	1.35	≥1.35	1.35	≥1.35

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SPECIAL SURFACES

SPECIAL LAMINATES MAKE ALL THE DIFFERENCE.



UNBELIEVABLE SURFACES
by Merino

SPECIAL SURFACES

The numerous possibilities of Special Laminates let you experience surfaces with premium aesthetic appeal, along with functional benefit for every unique purpose.

AB⁺



CHEM⁺



**ELECTROSTATIC
DISSIPATIVE**



FINGUARD⁺
ANTI-FINGERPRINT LAMINATES



FR⁺



IMAGINO
Customisation Unleashed



Laminature



Metalam



**TUFF
GLOSS MR⁺**



UNI⁺





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 fights against microbes but is also homogenous and non-porous, making it exceptional in performance and in hygiene.

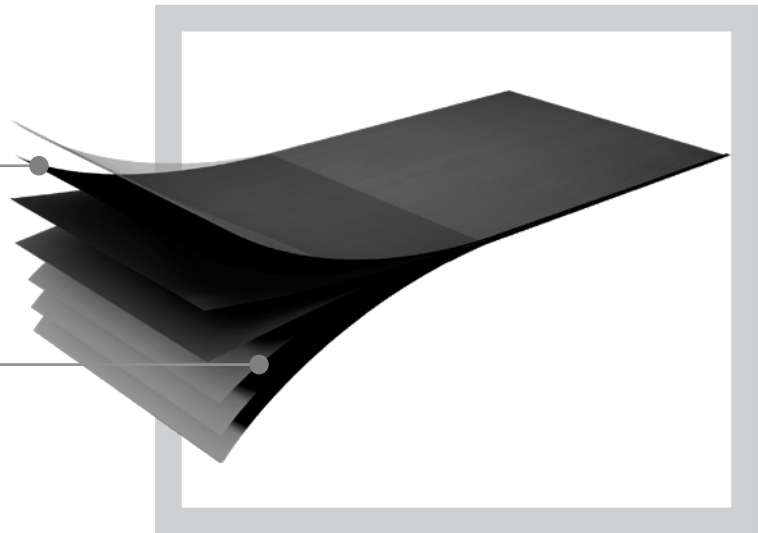
"Additional sanitization can be done with a soap/detergent solution for 30 sec or by applying any alcohol-based sanitizer having concentration >75%. Fully dry the surface by wiping off with a clean soft cloth."

TOP LAYER

An additive is used on the top layer to boost its antimicrobial properties which makes the product all the more hygienic.

CORE LAYER

A core that is impregnated with Phenol Formaldehyde Resin is topped with Décor Paper which is specially treated with Melamine Formaldehyde Resin.



Un-INFECTED FEATURES



ANTI-BACTERIAL



HYGIENIC



HIGHLY DECORATIVE



IMPACT RESISTANT



TERMITE RESISTANT



SCRATCH RESISTANT

***Un*-INFECTED APPLICATION**

For both horizontal and vertical surfaces.



Restaurants



R&D/Pathological Labs



Product	Thickness	Sizes in feet	Finishes	Designs
AB+	≥0.7 mm	All Sizes as mentioned in Finish and size matrix	Crystal, Drizzle, Flicker, Gemstone, Gloss, Hi-Gloss, Impression, Linen, Matt, Classic Leather, Opal, Suede, Streak, Veneer, Wave, Whitney, Galactic and Sandstone	Our complete design range

[illegible]



TECHNICAL SPECIFICATION

Physical Properties of Merino Anti - Bacterial Laminate :

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

Thickness :1.00mm

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 ³	≥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)		
			Gloss Finish	3	>3
			Other finishes	4	>4
Resistance to dry Heat at 180°C	16	Appearance	Grade (min)		
			Gloss Finish	3	>3
			Other finishes	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)		
			Gloss Finish	3	>3
			Other finishes	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	23	Appearance	Grade (min)	4	>4

SGS TEST REPORT

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

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



CHEM+

Chemical resistance makes the difference.

Chem+ is a specially manufactured laminate which is treated with Electron Beam to withstand harsh chemicals like acids, alkalis and reagents.

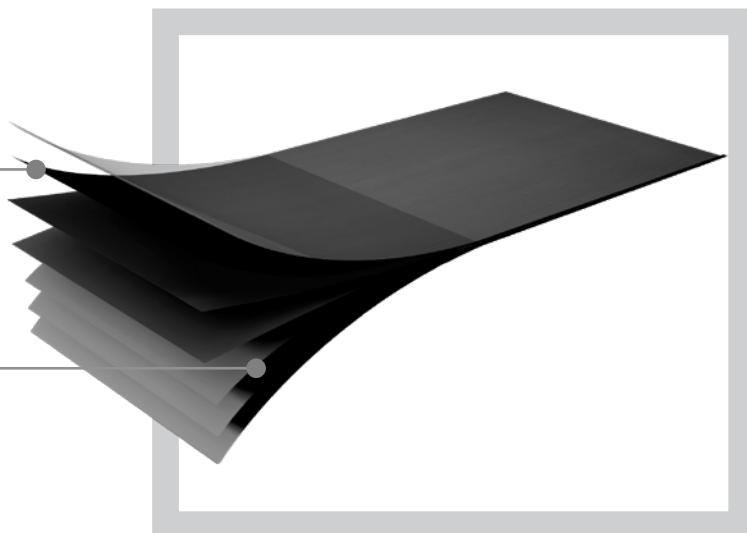
The superior resistance to chemicals makes it durable and suitable to be used in disposable areas in laboratories. Its outstanding quality and appearance give you the freedom to furnish these areas creatively.

EB CURED DÉCOR PAPER LAYER

Special grade, Electron Beam Cured Décor paper that has been impregnated with modified Melamine Formaldehyde resin to impart extra protection against harsh chemicals.

KRAFT PAPER LAYER

Phenol Formaldehyde resin is used to impregnate high grade Kraft Paper.



Un-TARNISHED FEATURES



HIGHLY
CHEMICAL
RESISTANT



HIGH SCRATCH
RESISTANT



HIGH STAIN
RESISTANT



HIGHLY
DURABLE

***Un*-TARNISHED APPLICATION**

For both horizontal and vertical surfaces.



Pharma & Biotech R&D Labs



Chemistry School Labs

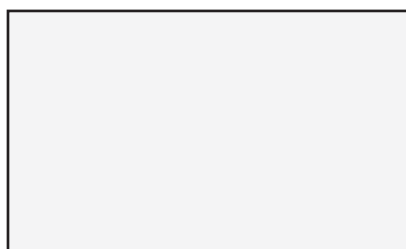


Hospitals and Healthcare



Pathological Labs

***Un*-TARNISHED RANGE**



27081
White



27089
Grey



27066
Black



TECHNICAL SPECIFICATION

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

Thickness :1.00mm

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 ³	>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	≤ 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
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

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

- 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. Semi-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.**

Property	Thickness	Sizes in feet	Finishes	Designs
Chem+	≥0.7 mm	8x4 and 10x4	Chem Pearl	3 designs

ELECTROSTATIC DISSIPATIVE



ESD+

No static charge makes all the difference.

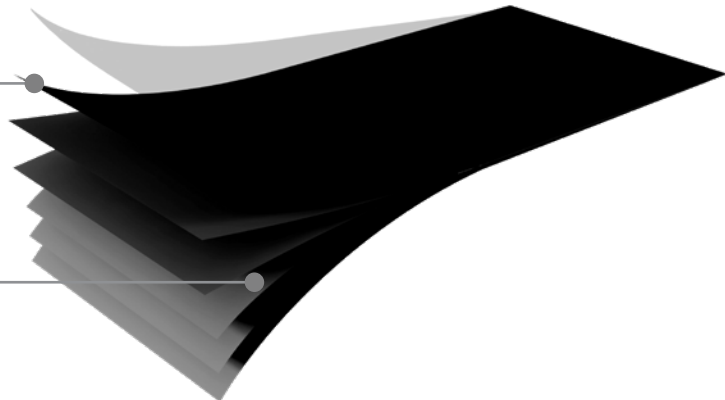
ESD+ range of laminates has no static charge and been developed with a purpose to repel dust particles. Its top layer has antistatic properties incredibly higher than products available in the market till now. The special conductive layer guarantees safe discharge of static when used with appropriate earthing. This helps to reduce damage to delicate internal circuits that decreases productivity of electrical equipment by 30%.

DÉCOR PAPER WITH ESD CONTROL LAYER

Décor Paper impregnated with specially formulated MF resin and a 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



REDUCED DAMAGE TO INTERNAL CIRCUITS



SAFE FOR WORK

(Reduced discomfort, risks of shock, sparks & even fire)

Un-RESISTIBLE APPLICATION

For both horizontal and vertical surfaces.

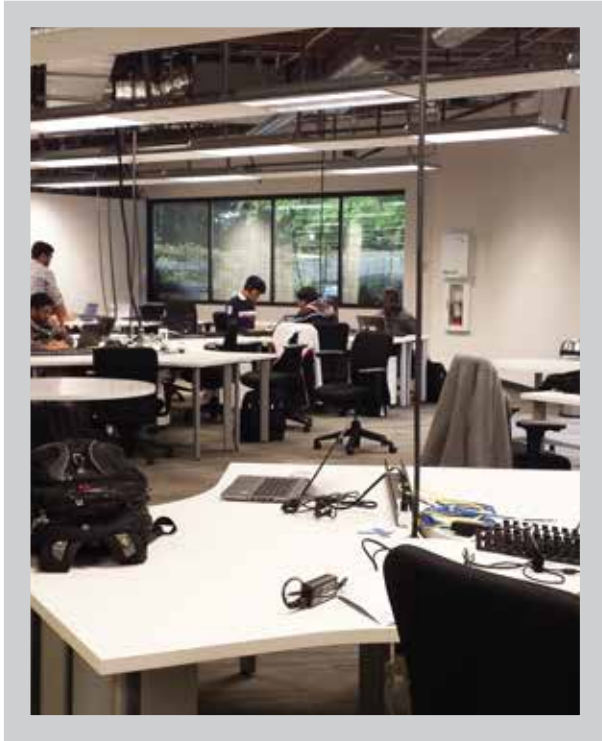


Countertop

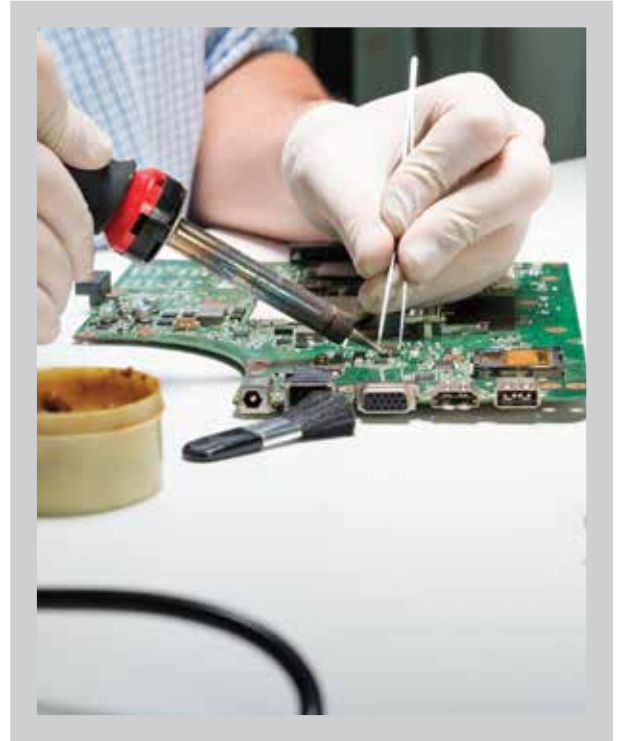


Data Centres

Un-RESISTIBLE APPLICATION



Electronics manufacturing units

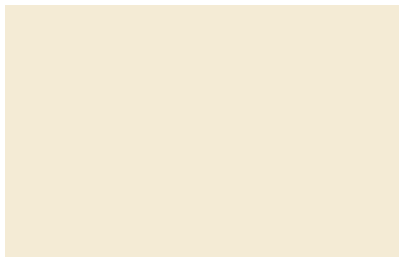


Factories & Assembly Line

Un-RESISTIBLE RANGE



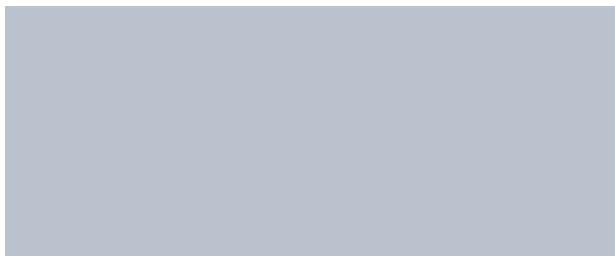
21141
Snow White



21187
Champagne



21369
Pebble grey



21069
Silver Grey



11005
Neo Highland Pine

AVAILABILITY MATRIX

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

* For more designs refer Merinolam Catalogue or visit our website.

Available Standard Sizes (mm) width x length

DESIGN	COLOR	1220 x 2440 (4 ft x 8 ft)	1220 x 3050 (4 ft x 10 ft)	1300 x 3050 (4.3ft x 10 ft)	1550 x 2440 (5 ft x 8 ft)
21069	Silver Grey	Y	Y	Y	Y
21141	Snow White	Y	Y	Y	Y
21187	Champagne	Y	Y	Y	Y
21369	Pebble Grey	Y	Y	Y	Y
11005	Neo Highland Pine	Y	Y	Y	Y
10016	Precious Beech	Y	Y	-	-

DESIGN	COLOR	1550 x 3660 (5 ft x 12 ft)	Compact Only 1830 x 3660 (6ft x 12 ft)	1830 x 4300 (6ft x 14 ft)
21069	Silver Grey	Y	Y	Y
21141	Snow White	Y	Y	Y
21187	Champagne	Y	Y	Y
21369	Pebble Grey	Y	Y	Y
11005	Neo Highland Pine	Y	Y	Y
10016	Precious Beech	-	-	-

TEST REPORT

POINT-TO-POINT RESISTANCE			
Testing at 12% RH	MIN	MAX	AVG
A) Merino ESD Laminate	$1.17 \times 10^8 \text{ W}$	$4.77 \times 10^8 \text{ W}$	$2.50 \times 10^8 \text{ W}$
Testing at 50% RH			
A) Merino ESD Laminate	$1.03 \times 10^6 \text{ W}$	$1.48 \times 10^6 \text{ W}$	$1.25 \times 10^6 \text{ W}$
Testing was performed using a test voltage of 100 volts.			

POINT-TO-GROUND RESISTANCE			
Testing at 12% RH	MIN	MAX	AVG
A) Merino ESD Laminate	$4.40 \times 10^7 \text{ W}$	$1.41 \times 10^8 \text{ W}$	$8.26 \times 10^7 \text{ W}$
Testing at 50% RH			
A) Merino ESD Laminate	$8.60 \times 10^5 \text{ W}$	$3.80 \times 10^7 \text{ W}$	$1.87 \times 10^7 \text{ W}$
Testing was performed using a test voltage of 100 volts.			

Electro-Tech Systems, Inc. (ETS) Test Report, USA

Test Values of Merino ESD Grade Laminate as per (EN438-3)

Thickness :1.00mm

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/cm3	≥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 ⁹ ohm	<1.0x10 ⁸ ohm
		Surface to Ground Resistance		<1.0x10 ⁹ ohm	<1.0x10 ⁸ ohm



FINGUARD
ANTI-FINGERPRINT LAMINATES



FINGUARD

Fingerprint resistance makes the difference.

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.

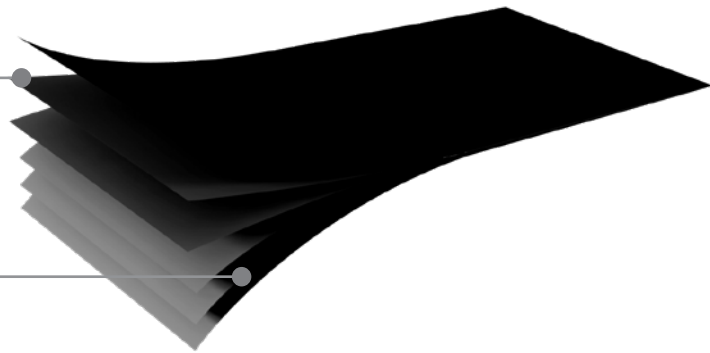
Usage of innovative technology like Electron Beam Curing, makes it anti-bacterial and hygienic while providing extra resistance to scratches. A masterpiece crafted after extensive research and fine manufacturing, brought to life with the latest in technology.

EB CURED DÉCOR LAYER

Décor paper that has been cured using Electron Beam and impregnated with MF resin.

KRAFT PAPER LAYER

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



Un-RIVALLED FEATURES



ANTI-FINGERPRINT



HIGH MATTE



SCRATCH RESISTANT



SOFT TOUCH



ANTI MARKING



SMOOTHENED EDGE

Un-RIVALLED APPLICATION

For both horizontal and vertical surfaces.

The way Merino Finguard is crafted makes it an 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 residential, healthcare, hospitality and restaurants, offices and business centres.



Conference Table

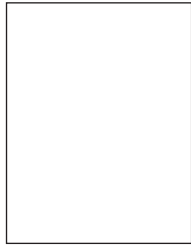


Worktop

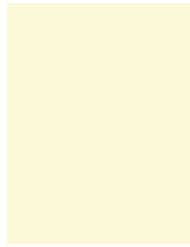
AVAILABILITY MATRIX

Property	Thickness	Sizes in feet	Finishes	Designs
Finguard	≥0.7 mm	4 x 8, 4 x 10	Super Matt	7 designs

Un-RIVALLED RANGE



27171 FG
Egret White



27187 FG
Pearled Ivory



27161 FG
Silver Birch



27199 FG
Charcoal Grey



27165 FG
Tomato Red



TECHNICAL SPECIFICATION

As Per EN-438:2005

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

Thickness :1.00mm

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 ³	≥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 Group-3	≥5 ≥4	5 ≥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 Impression		Appearance			No Impression

FR⁺



FR+

Fire resistance makes all the difference.

Fire Retardant (FR+) is a special type of laminate which is halogen free in the category of fire-resistant laminates.

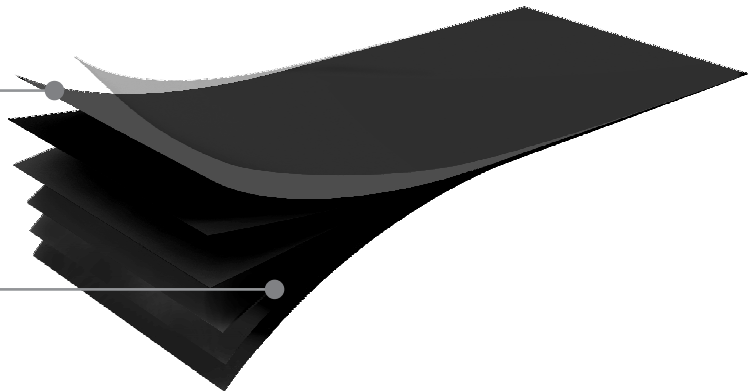
As per ASTM and NFPA standards, its performance belongs to Class 1 grade, making it an eminent laminate resistant to fire. With suitable substrates and adhesives, FR+ can help prevent casualties and damage caused due to fire hazard.

TOP LAYER

Decor paper impregnated with specially formulated Melamine Formaldehyde resin that has been modified with proprietary additives to impart flame retardant properties.

CORE LAYER

Kraft paper impregnated with specially formulated Phenolic Formaldehyde resin that has been modified with proprietary additives to impart flame retardant properties.



Un-SCORCHED FEATURES



**HALOGEN
FREE**



**LOW SPREAD
OF FLAME**



**SELF-
EXTINGUISHABLE**



**HIGHLY
DECORATIVE**



**IMPACT
RESISTANT**



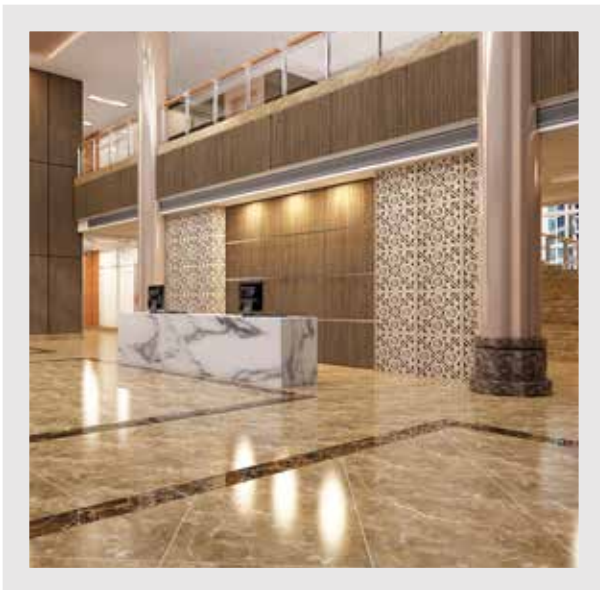
NON-TOXIC

Un-SCORCHED APPLICATION

For both horizontal and vertical surfaces.



Corporate Offices



Retail



Premium Residential

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.

TEST DATA

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 ³	≥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

AVAILABILITY MATRIX

Property	Thickness	Sizes in feet	Finishes	Designs
FR+	≥0.7 mm	4 X 8, 4 X 10, 4.3 X 10, 5 X 8, 5 X 12, 6 X 14	As per below sheet	Our complete design range with 50 sheets MOQ as per availability in sizes



TECHNICAL SPECIFICATION

Available Standard Sizes (mm) width x length

Finishes	1220 x 2440	1220 x 3050	1300 x 2440	1300 x 2800	1300 x 3050	1550 x 2440
Bark (BRK)	Y	-	-	-	-	-
Cement (CMT)	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	-	-	-	-	-
Grains (GRN)	Y	-	-	-	-	-
Hi-Gloss (HGL)	Y	Y	-	-	Y	Y
Horizon (HRZ)	Y	-	-	-	-	-
Impression (IMP)	Y	-	-	-	-	-
Linen (LNN)	Y	-	-	-	-	-
Matt (MT)	Y	Y	Y	Y	Y	-
Microline (ML)	Y	-	-	-	-	-
Monte (MNT)	Y	-	-	-	-	-
Opal (OPL)	Y	-	-	-	Y	Y
Parish (PRH)	Y	-	-	-	-	-
Sandstone (SV)	-	-	-	-	Y	-
Sawcut (SCT)	Y	-	-	-	-	-
Streak (STK)	Y	-	-	-	-	-
Suede (SF)	Y	Y	Y	-	Y	Y
Valley (VLY)	Y	-	-	-	-	-
Veneer (VNR)	Y	-	-	-	-	-
Venza (VNZ)	Y	-	-	-	-	-
Vertiline (VL)	Y	-	-	-	-	-
Wave (WV)	Y	-	-	-	-	-
Whitney (WTN)	Y	-	-	-	-	-



TECHNICAL SPECIFICATION

Available Standard Sizes (mm) width x length

Finishes	1550 x 3660	1550 x 4300	Compact Only 1830 x 3660	1830 x 4300	Door Size 915 x 2135
Bark (BRK)	-	-	-	-	-
Cement (CMT)	Y	-	-	-	-
Classic Leather (CLR)	-	-	-	-	-
Chimera (CMR)	-	-	-	-	-
Crossfire (CFR)	-	-	-	-	-
Drizzle (DZL)	-	-	-	-	-
Drymatt (DMT)	-	-	-	-	-
Fabric (FB)	-	-	-	-	-
Flicker (FK)	-	-	-	-	-
Galactic (GLT)	Y	-	-	-	-
Grains (GRN)	-	-	-	-	-
Hi-Gloss (HGL)	Y	-	-	-	-
Horizon (HRZ)	-	-	-	-	-
Impression (IMP)	-	-	-	-	-
Linen (LNN)	-	-	-	-	-
Matt (MT)	-	Y	-	-	-
Microline (ML)	-	-	-	-	-
Monte (MNT)	-	-	-	-	-
Opal (OPL)	Y	-	-	-	-
Parish (PRH)	-	-	-	-	-
Sandstone (SV)	Y	-	-	-	-
Sawcut (SCT)	-	-	-	-	-
Streak (STK)	-	-	-	-	-
Suede (SF)	Y	-	Y	Y	Y
Valley (VLY)	-	-	-	-	-
Veneer (VNR)	-	-	-	-	-
Venza (VNZ)	-	-	-	-	-
Vertiline (VL)	-	-	-	-	-
Wave (WV)	Y	-	-	-	-
Whitney (WTN)	-	-	-	-	-

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.

Samples, Not for Sale

IMAGINO

Customisation Unleashed



IMAGINO

Customization makes the difference.

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. Customise 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 personalized touch to your home décor. Unleash your creative freedom for customization with Merino's Imagino.

TREATED DECOR 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



HIGHLY
CUSTOMIZABLE



SCRATCH
RESISTANT



DRY HEAT
RESISTANT



ABRASION
RESISTANT



IMPACT
RESISTANT



STAIN
RESISTANT



MOISTURE
RESISTANT

Un-COMMON APPLICATION

For both horizontal and vertical surfaces.



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 colourful ones

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



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 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.

Un-COMMON RANGE



85039
Galaxy



85040
Blue Mesh



85041
Graffito



85042
Comp Disk



85043
Fossil



TECHNICAL SPECIFICATION

Merino High Pressure decorative laminates comprises layers of specially selected paper, impregnated with Melamine and Phenolic resins pressed and hardened under heat and pressure. The process ensures strong bonding, resistance to boiling water and chemical, and increases dimensional stability. Surface protection through special treatment renders all Merino laminates scratch resistance.

It is suitable for a wide range of applications such as wall lining, column claddings, doors, shelves, table-tops, work-tops, counters, vanity units, cubicles, lift linings, store fittings, displays, check-out desks etc.

- Available in thicknesses 1mm.
- Dimensions: 4 x 8 ft (1220 mm x 2440 mm), 4 x 10 ft (1220 mm x 3050 mm)
- Finishes: Gloss (GL) and Suede (SF).

**Not Post-forming

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

Thickness :1.00mm

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	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%	0.39
	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	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

*For fabrication, care & maintenance refer website.

Laminature



LAMINATURE

Natural texture makes all the difference.

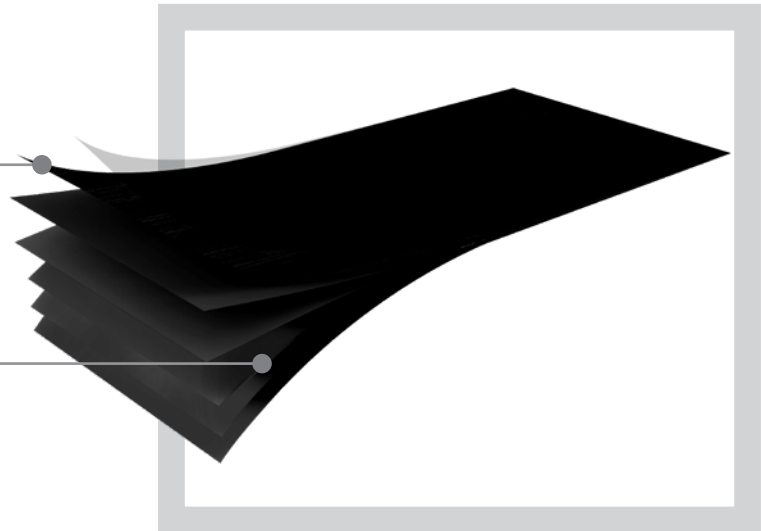
Synchronized laminate's seamlessly synchronized texture looks indistinguishable from solid woods and veneers. Its design and pattern are crafted to give you a tactile feel that looks natural. The range is available in two variations – Monte and Parish.

MF IMPREGNATED DECOR PAPER

Specially chosen Decor Paper that is impregnated using with MF resin and impressed using a matching Stainless Steel Finishing Plate.

MF IMPREGNATED KRAFT PAPER

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



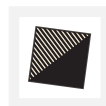
Un-THINKABLE FEATURES



**NATURAL
LOOK**



**STAIN
RESISTANT**



**FADE
RESISTANT**



**DELAMINATE
PROOF**



**WEAR
RESISTANT**



**WATER
RESISTANT**

Un-THINKABLE APPLICATION

For both horizontal and vertical surfaces.



Premium Commercial Offices



Premium Residential

Un-THINKABLE RANGE



14181 MNT
Yabus Ontario Oak



14183 MNT
Mille Ontario Oak



14186 MNT
Guder Ontario Oak



14187 MNT
Mareb Ontario Oak



14668 PRH
Beles Samari Oak

AVAILABILITY MATRIX

Property	Thickness	Sizes in feet	Finishes	Designs
Laminature	≥ 0.8mm	8 x 4 (2440x1220mm)	Monte (MNT), Parish (PRH), Whitney (WTN)	12 Shades



TECHNICAL SPECIFICATION

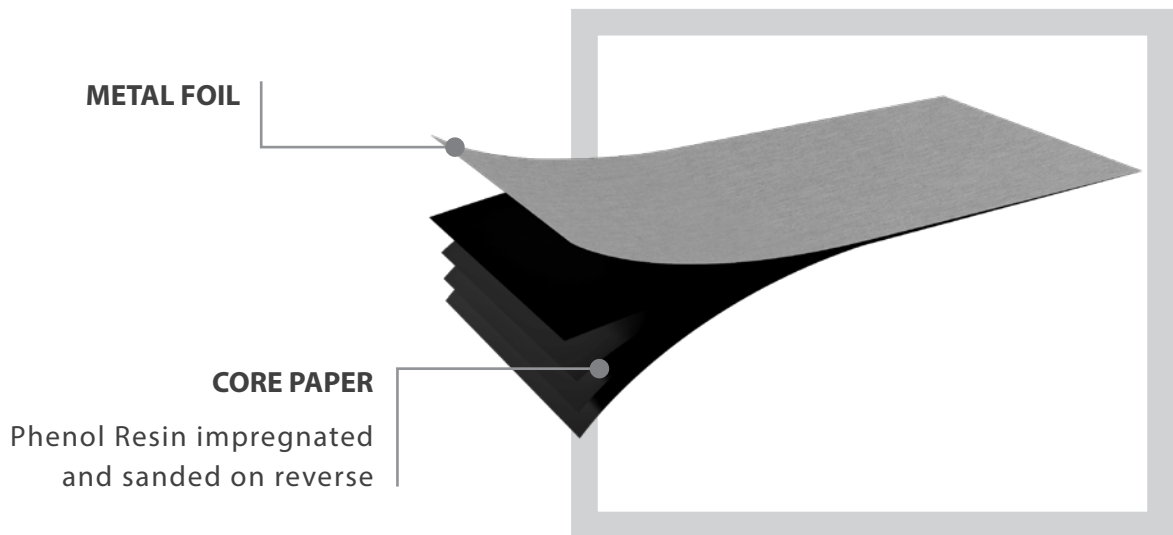
Properties		Test Method as Per EN 438-2	Standard Result as Per EN 438-3	Test Result of MERINO
Design No./ Finish				14667/Synchro
Thickness Tolerance		Clause No.5	±0.10	0.03
Length & Width Tolerance		Clause No.6	±0.10	+05mm
			-0mm	-0mm
Resistance to Surface wear (Revolution Minimum)		Clause No.10	IP≥150	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



Metalam

Surface brilliance makes all the difference.

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.



Un-CHALLENGED FEATURES



**METALLIC
SHEEN**



**HIGHLY
DECORATIVE**



**IMPACT
RESISTANT**



**STAIN
RESISTANT**



**DRY HEAT
RESISTANT**

***Un*-CHALLENGED APPLICATION**

For both horizontal and vertical (with glass) application.



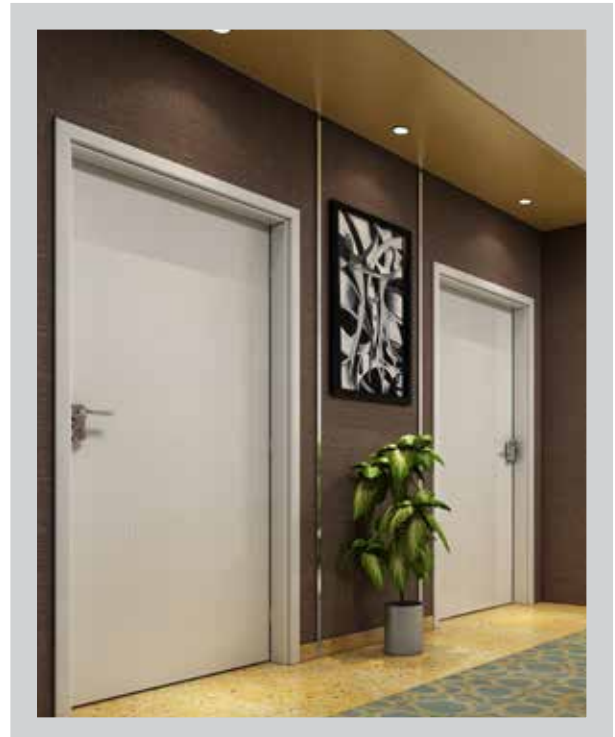
Offices & Business



Restrooms



Premium furniture



Hotels

Un-CHALLENGED RANGE



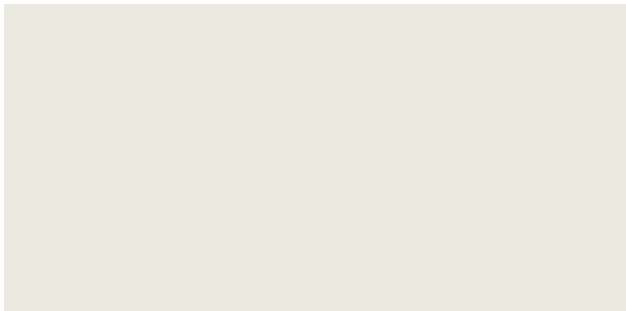
99998 MT
Gold



99999 MT
Silver



99988 MT
Bronze



99987 MT
White Metal



99989 MT
Steel



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:



99998 MT
Gold



99999 MT
Silver



99988 MT
Bronze



99989 MT
Steel

AVAILABILITY MATRIX

Property	Thickness	Sizes in feet	Finishes	Designs
Metalam	≥0.7mm	4 x 8 and 4 x 10	Matt	5 designs
Mirror	≥0.7mm	4 x 8 and 4 x 10	High Gloss	4 designs



TECHNICAL SPECIFICATION

Test Values of Metalam as per EN438-3

Thickness :1.00mm

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
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

TUFF
GLOSS MR+

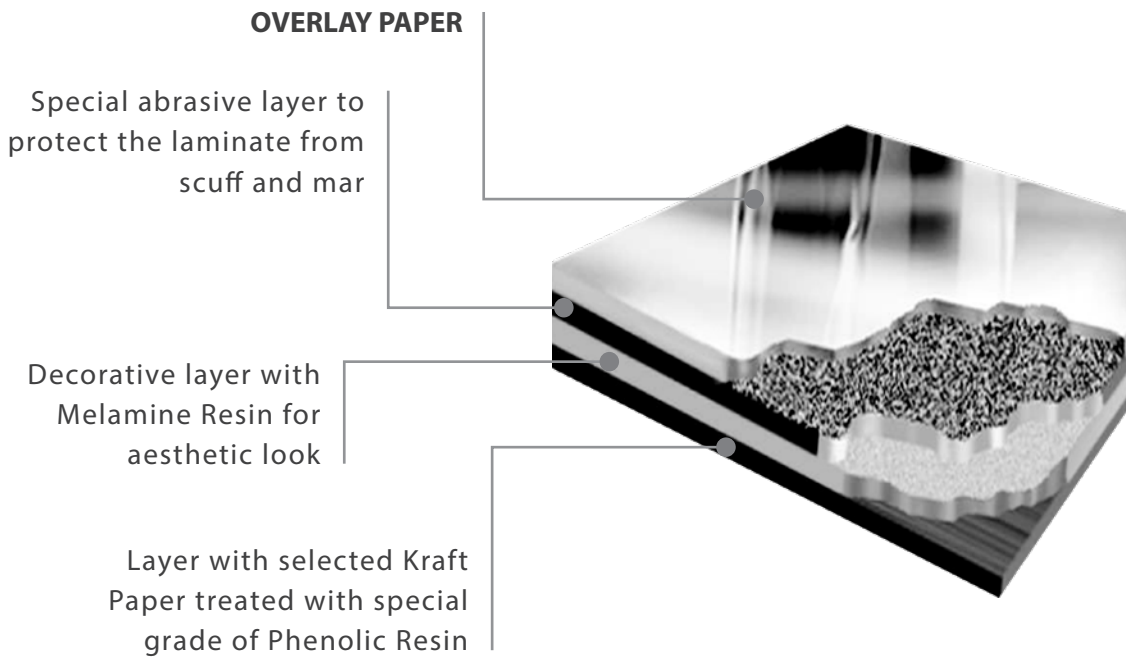


MR+

Micro-scratch resistance makes the difference.

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.

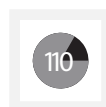
An unbeatable match of highly-reflective surface and toughest resistance to damage gives you the liberty to handle laminates carefree.



Un-BEATABLE FEATURES



**MAR
RESISTANT**



**GLOSS LEVEL -
110 AT 60° ANGLE**



**HIGH ABRASION
RESISTANT**



**SCUFF
RESISTANT**



**DRY HEAT
RESISTANT**



**STAIN
RESISTANT**

***Un*-BEATABLE APPLICATION**

For both horizontal and vertical surfaces.



Cabinets



Wardrobe

Un-BEATABLE RANGE



14613 MR+
Doredos Cottage Pine



14187 MR+
Mareb Oak



14661 MR+
Glaston Walnut



14641 MR+
Laural Oak Wind

AVAILABILITY MATRIX

Product	Thickness	Sizes in feet	Finishes	Designs
Tuff Gloss MR+	≥0.7mm	4 X 8, 4 X 10	High Gloss	61 designs

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

Thickness :1.00mm

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 ³	≥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.

UNI⁺

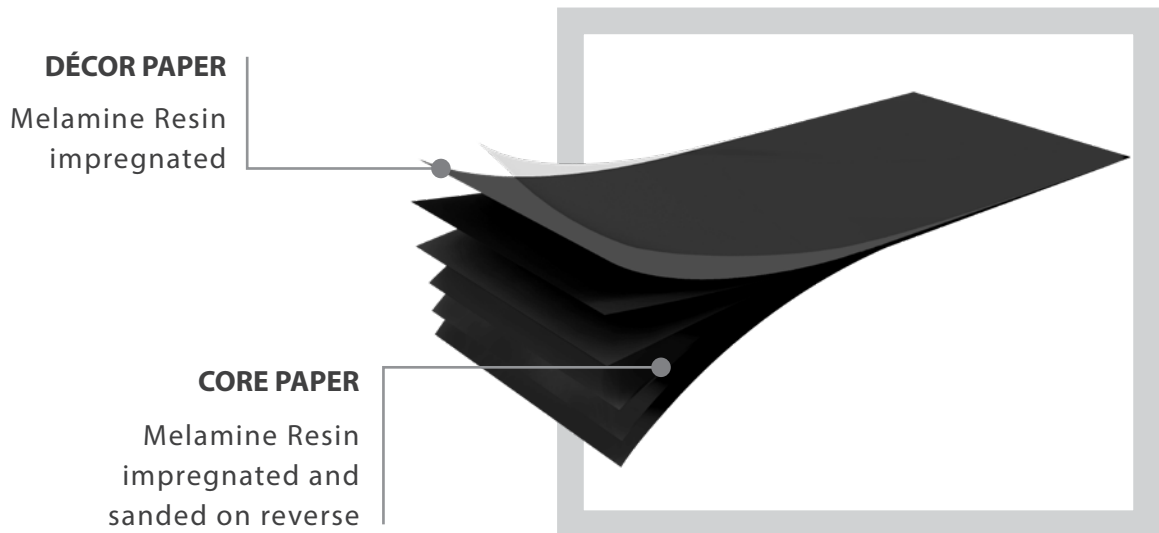


UNI+

Colour balance makes the difference.

UNI+ series comes in a unique combination of high-quality decorative laminates and homogenous 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.



Un-DIVIDED FEATURES



**EDGELESS
COLOUR FINISH**



**HIGH ABRASION
RESISTANT**



**HIGHLY
DECORATIVE**



**STAIN
RESISTANT**



**DRY HEAT
RESISTANT**



**COLOUR
FAST**

Un-DIVIDED APPLICATION

For both horizontal and vertical surfaces.



Display Shelves



Kitchen



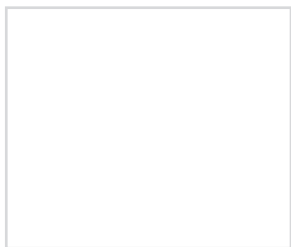
Reception & Conference Rooms



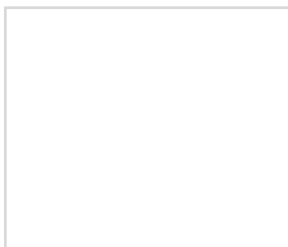
Retail Shelves

Un-DIVIDED RANGE

UNI+ (UNI COLOUR LAMINATE)



21481 UNI+
White Lily



21091 UNI+
Frosty White



21187 UNI+
Champagne



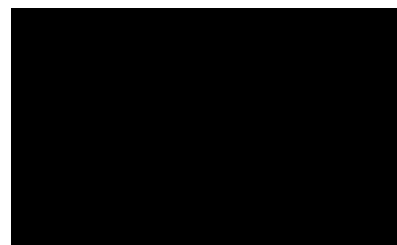
21057 UNI+
Marigold



21069 UNI+
Silver Grey



21065 UNI+
Cardinal



21066 UNI+
Black

UNI MR+ (UNI COLOUR + MAR RESISTANT LAMINATE)



21481 UNI MR+
White Lily



21091 UNI MR+
Frosty White



21187 UNI MR+
Champagne



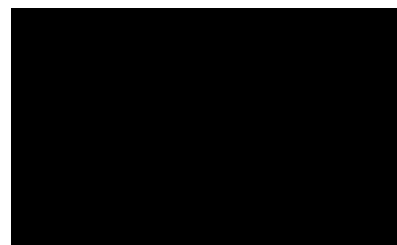
21057 UNI MR+
Marigold



21069 UNI MR+
Silver Grey



21065 UNI MR+
Cardinal



21066 UNI MR+
Black



AVAILABILITY MATRIX

Product	Thickness	Sizes in feet	Finishes	Designs
UNI	≥0.7mm	4 X 8, 4 X 10	Tuff Gloss MR+ and Suede	14 designs

* For more designs refer Merinolam Catalogue or visit our website.

Available Standard Sizes (mm) width X length

Finishes	Abbreviation	1220 x 2440 (4ft X 8 ft)	1220 x 3050 (4ft X 10 ft)
Tuff gloss	MR+	Y	Y
Suede	SF	Y	Y



TECHNICAL SPECIFICATION

Test Values of Merino Unicolour (UNI+) Laminate as per (IS:2046)

Thickness : 1.00mm

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

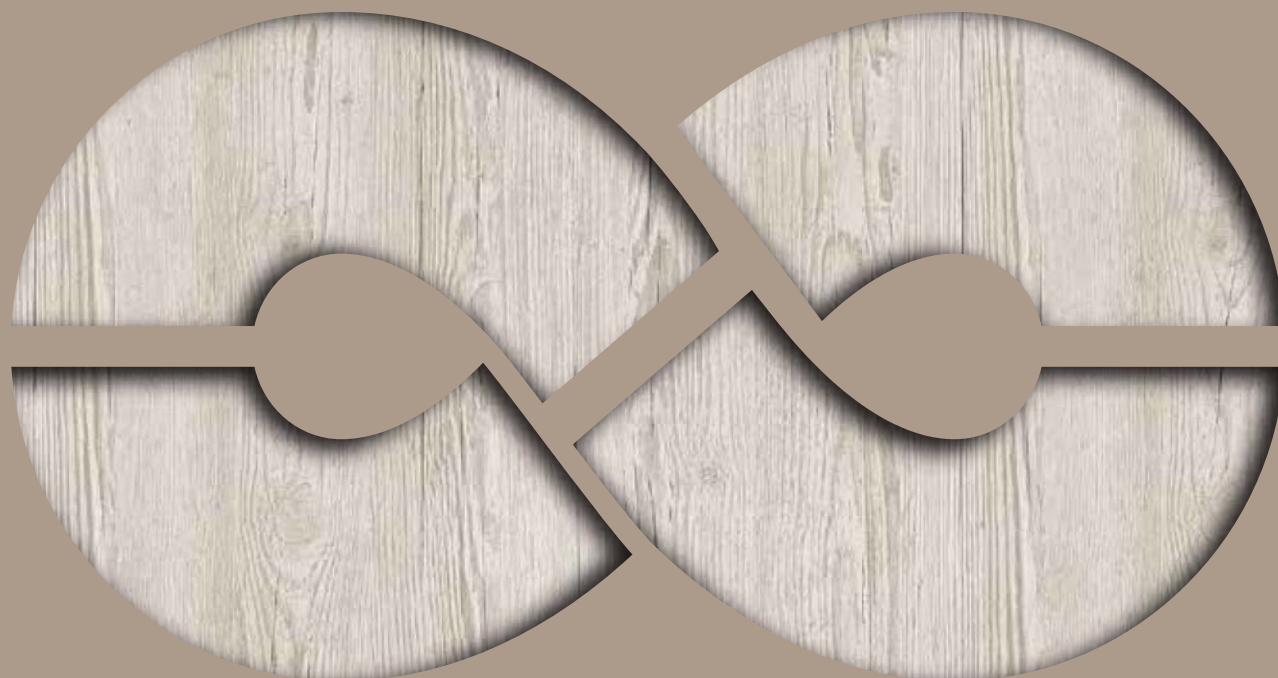


ECONOMY • EXCELLENCE • ETHICS

WHERE DESIGN MEETS FUNCTIONALITY

HARMONY

CO-ORDINATED SURFACES



INTRODUCING HARMONY

Harmony is a range of coordinated surfaces comprising parched, authentic and natural designs. The surfaces primarily feature suede or textured linear finish to add to the natural look and feel. Merino Harmony where design meets functionality.



DOUBLE SIDED MELAMINE FACED CHIPBOARD

Available thickness (mm) 9mm, 16mm and 18mm	Sheet size (mm) 1220x2440	<i>These are thermally fused laminated panels: 17 curated designs in two exclusive finishes.</i>
---	-------------------------------------	--

HIGH PRESSURE LAMINATES

Available thickness (mm) 0.7mm to 1.2mm	Sheet size (mm) 1220x2440	<i>Matching hpl designs & finishes, to give that perfect co-ordinated surfaces</i>
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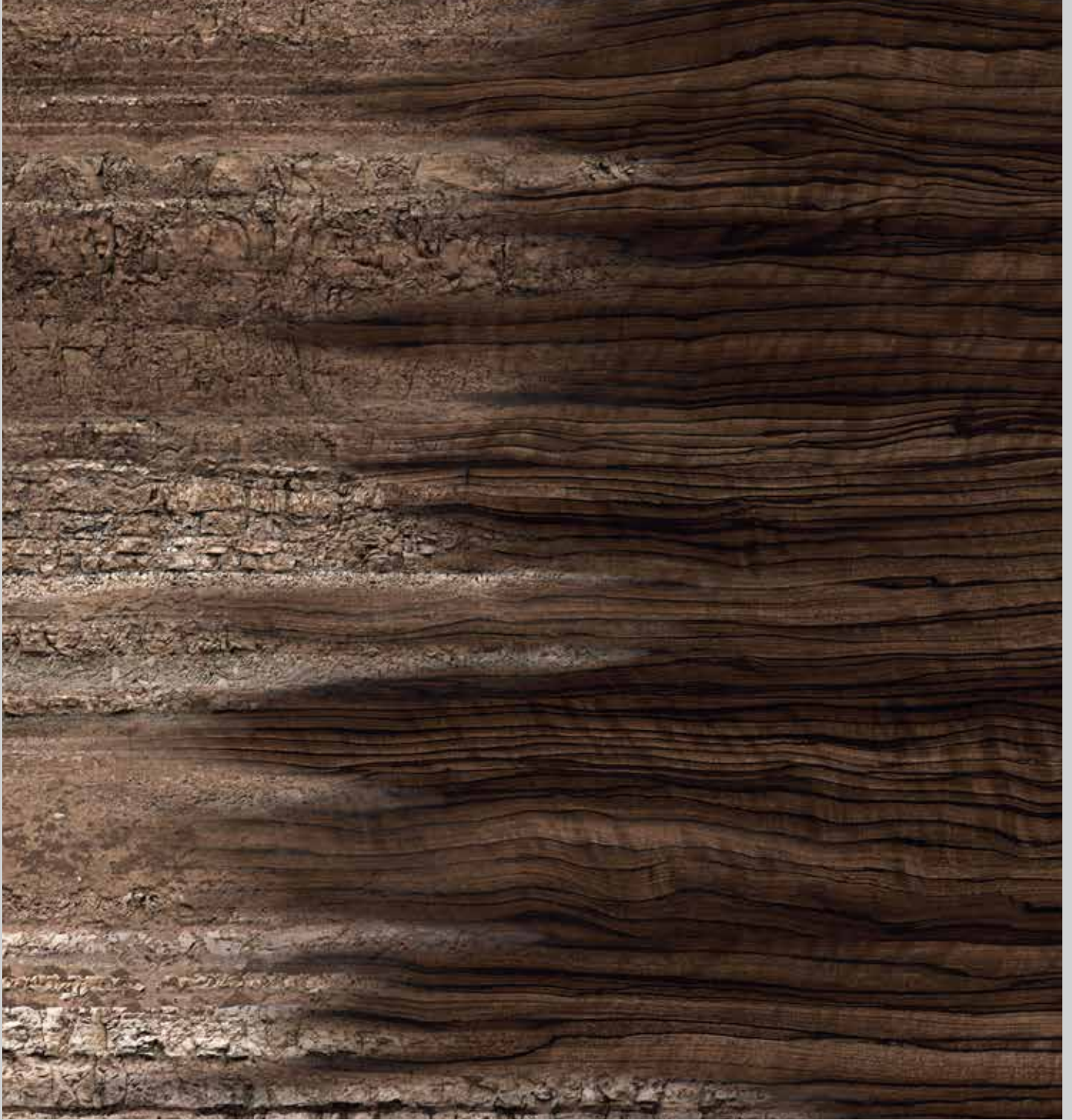
COMPACT LAMINATES

Available thickness (mm) 3mm to 25mm	Sheet size (mm) 1220x2440	<i>Dual sided solid compact laminates in All designs and finishes gives that extra edge</i>
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EDGE BANDING

Available size (mm) 22mm to 0.8mm	*Other sizes Available on order	<i>Only perfectly matched edge finishes result in Premium impression of end product. Matching edgebands in all designs & finishes</i>
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*Available finishes: streak and suede



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.



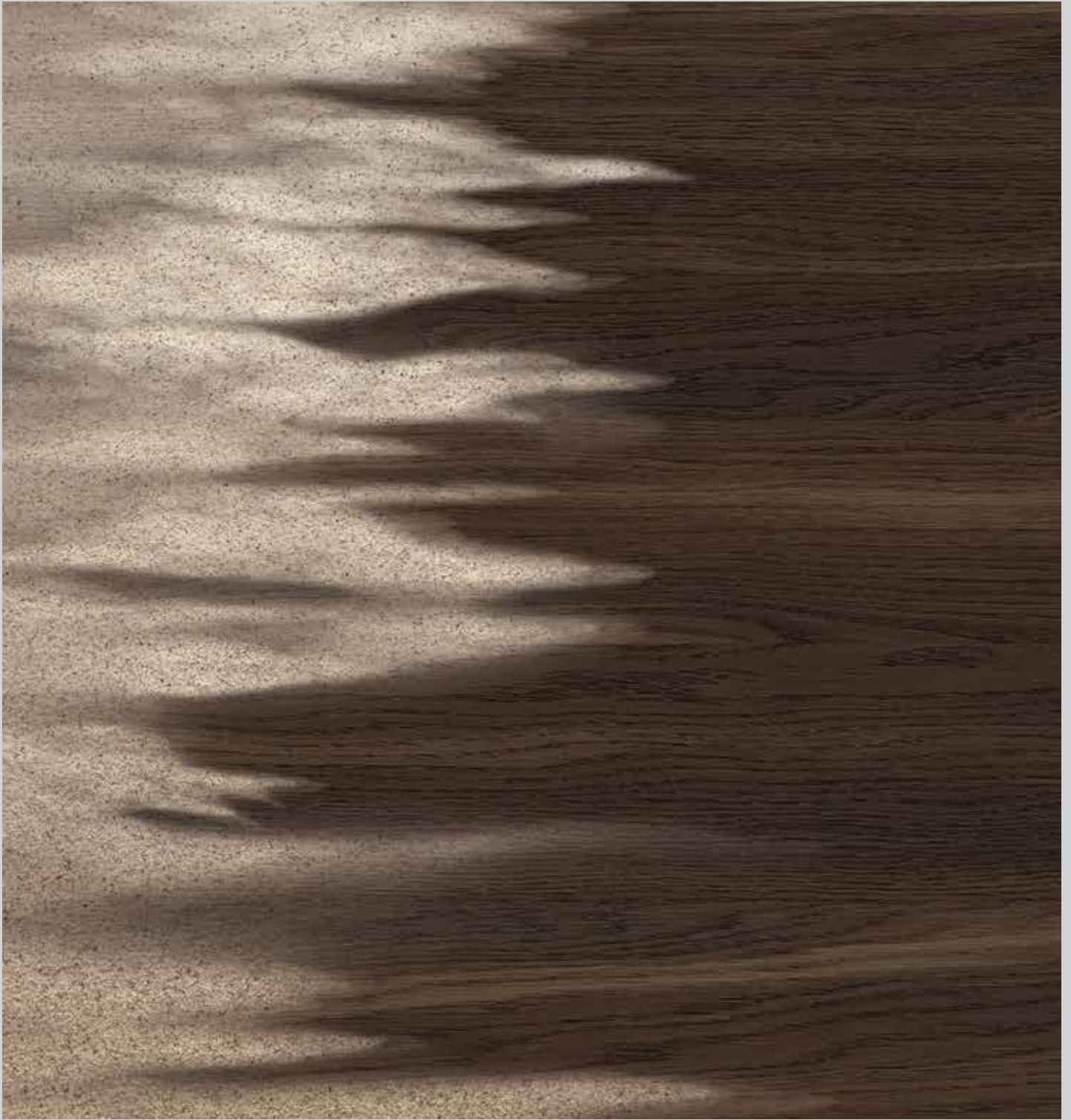
10196 Celtic Ebony



14675 Ebony Sepia



14673 Ebony Aspen



THE OAK ENSEMBLE

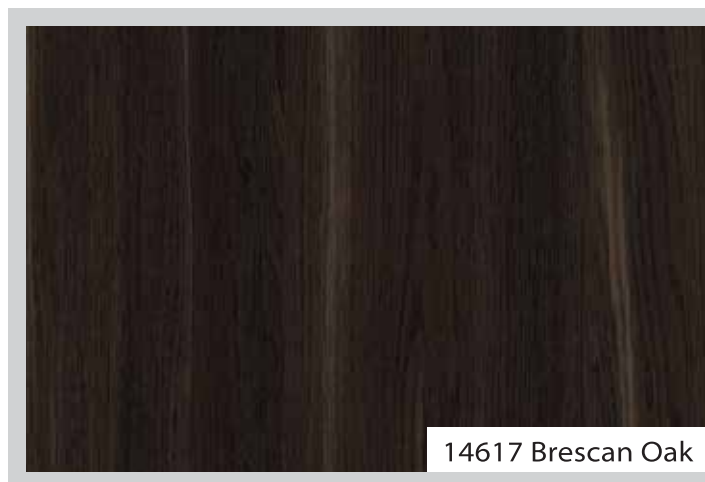
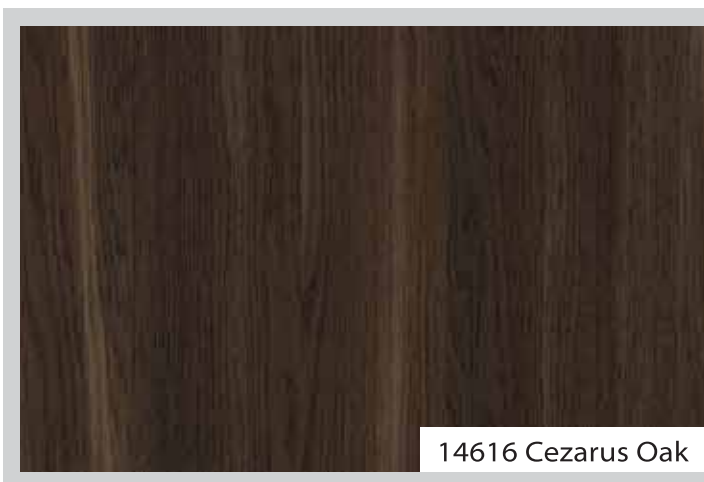
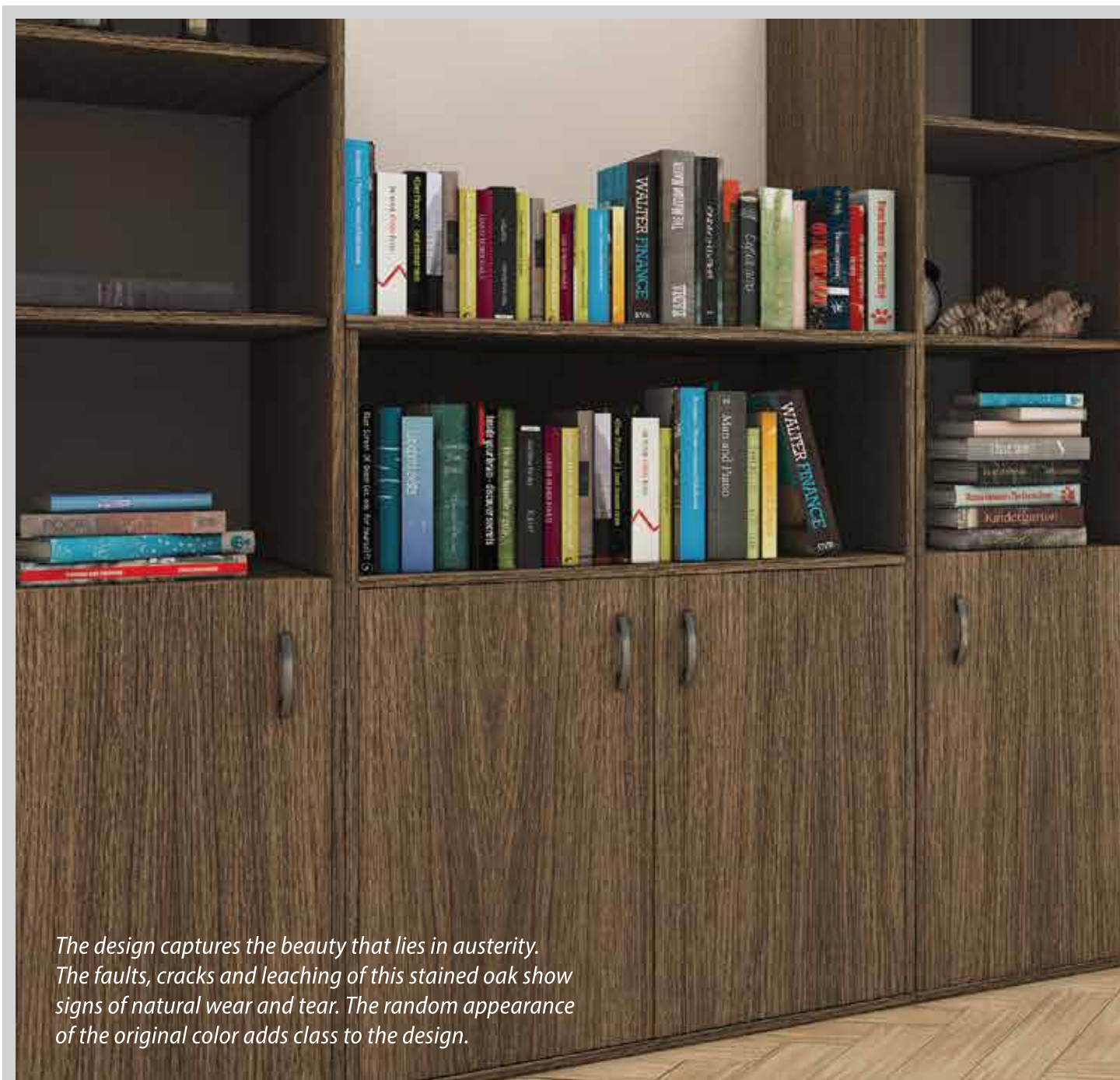
The design captures the beauty that lies in austerity. The faults, cracks and leaching of this stained oak show signs of natural wear and tear. The random appearance of the original color adds class to the design.



10879 Silver Oak



14139 Cinnamon Oak





These two designs bear the resemblance of oak that's found in rustic mountain chalets. With proper sandblasting and brushing, the original wood has been metamorphosed to give a rough appeal, an effect that's truly natural.



10596 Scandinavian Oak



10597 Weathered Vertical Oak



THE PINE COLLECTION

The Pine Collection stands for serenity. The Swiss Stone Pine with grains as clear as a mountain stream.

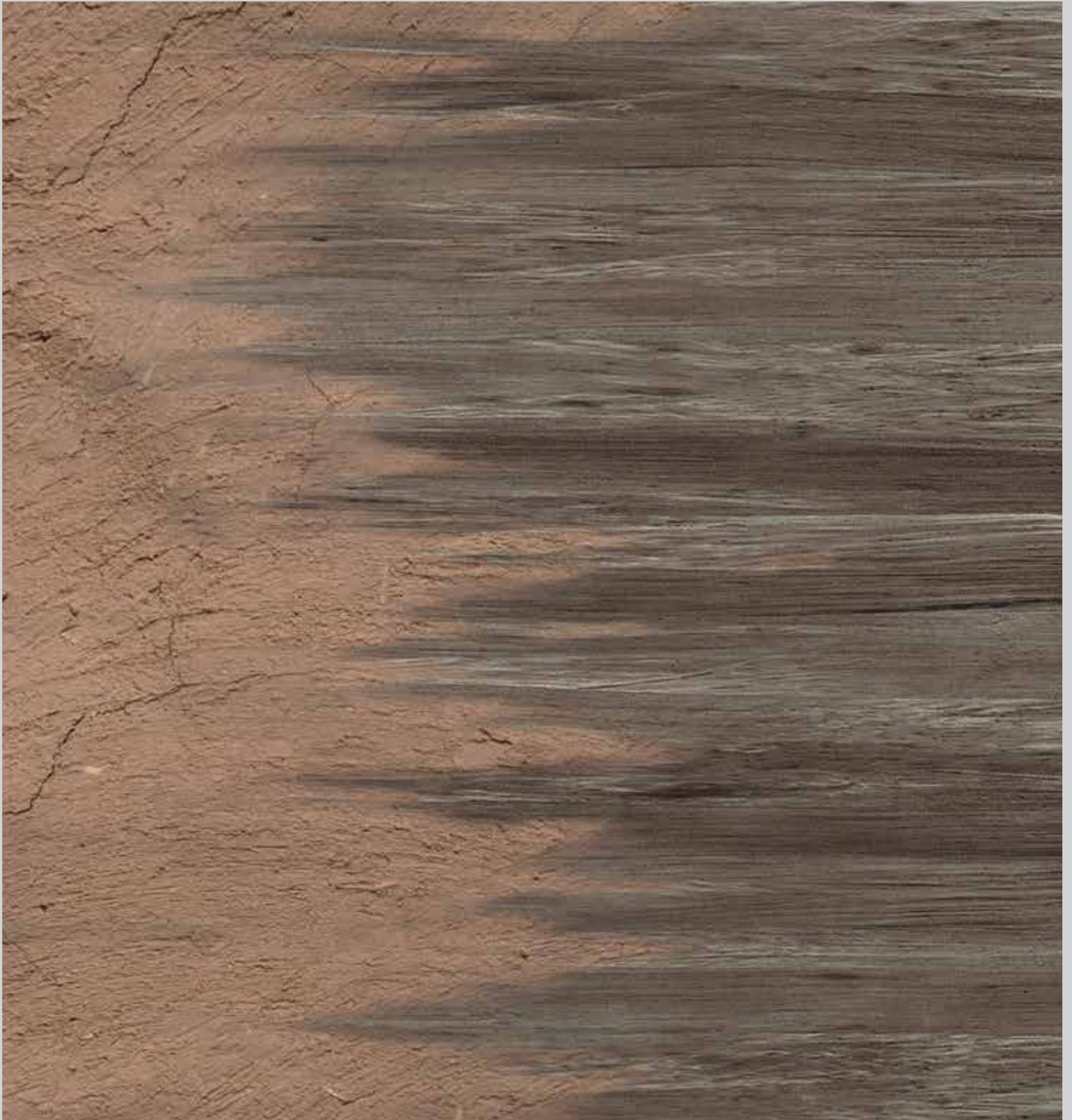
The multifaceted play of color with knots as contrast points deliver a calming aura to the surface. It's ideal for large furniture fronts.



14626 Strobos Pine



14613 Doredos Pine



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.



14809 Russet Tropical



14811 Taupe Tropical



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.



49931 Alumina Pearl



10680 Saddlebrown
Linosa



44753 Hazel Cambric



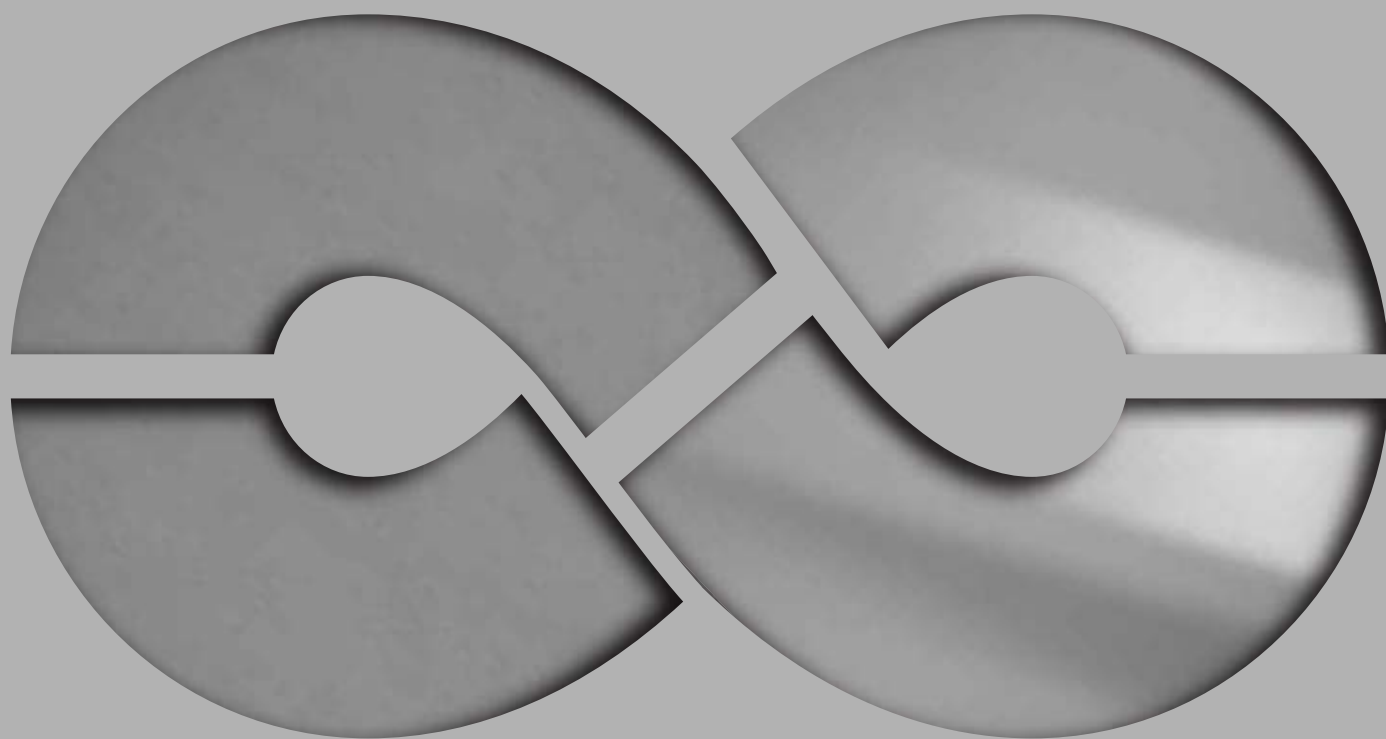
10573 Electric Moon



ECONOMY • EXCELLENCE • ETHICS

MEISTER SURFACES

PREMIUM COATED PANELS



ABOVE ALL ELSE



The Exquisite Meister Surfaces

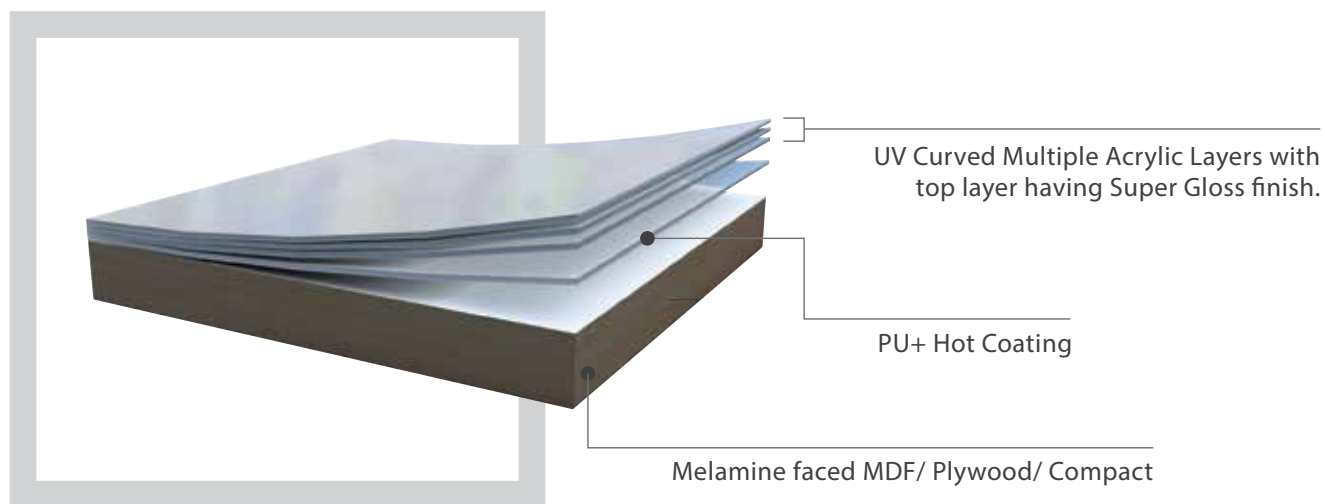
Every house tells a story, and with our Meister series of premium coated Panels , you can tell yours better. With spectacular finish in a multitude of styles and an assortment of colours, transform the aura of your spaces and elevate them above all else.

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 **Plywood, MDF and Compact Surfaces.**



FEATURES



SUPER GLOSS
TECHNOLOGY



MIRROR-LIKE
FINISH



NO YELLOWING
OR ORANGE
PEEL EFFECT



IMPACT
RESISTANT

GLOSS MEISTER RANGE



10019 Sapelle



14178 Cherry Cadiz Walnut



40267 Golden Campino



22017 Parakeet

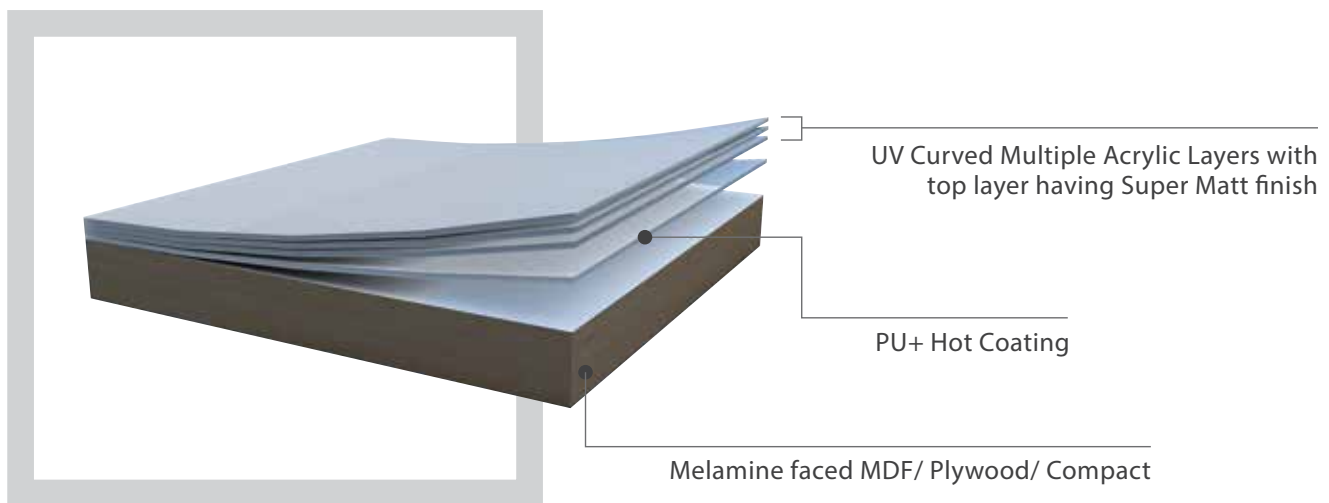


22137 Cappuccino

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 **Plywood, MDF and Compact Surfaces.**



FEATURES



ANTI-FINGERPRINT
TECHNOLOGY



HEAT
RESISTANT



SATIN
SMOOTH FINISH



IMPACT
RESISTANT



SCRATCH
RESISTANT



ANTI-
BACTERIAL

MATT MEISTER RANGE



22017 Parakeet



21023 Dark Citrus



22137 Cappuccino



22127 Brown



22099 Slate

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.



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 ³	>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	<5
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 ²	>28	>27
15	Internal Bonding	EN-319	N/mm ²	>0.80	>0.75
16	Screw Withdrawal	EN-320			
	Face		N	>1600	>1500
	Edge			>1250	>1250
17	Formaldehyde Content CRAB 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

Disclaimer for Matt Meister

Matt Meister does not have self-cleaning properties. Marks left by sweet, 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**.



MERINO ARMOUR™

EXTERNAL CLADDING



**TIMELESS
SURFACES**

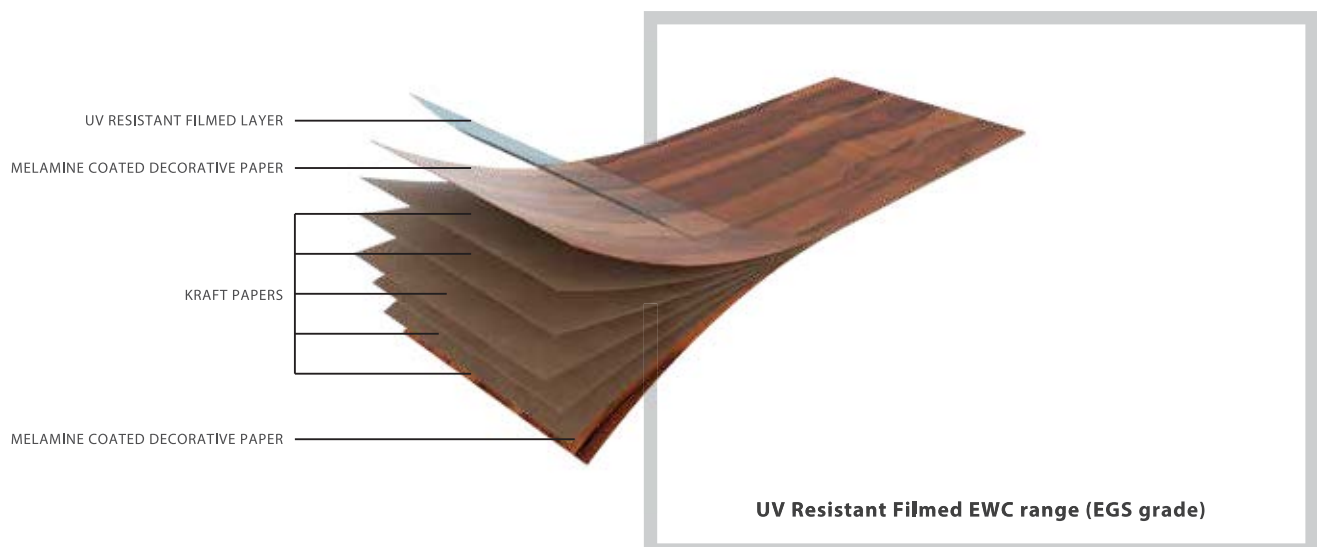
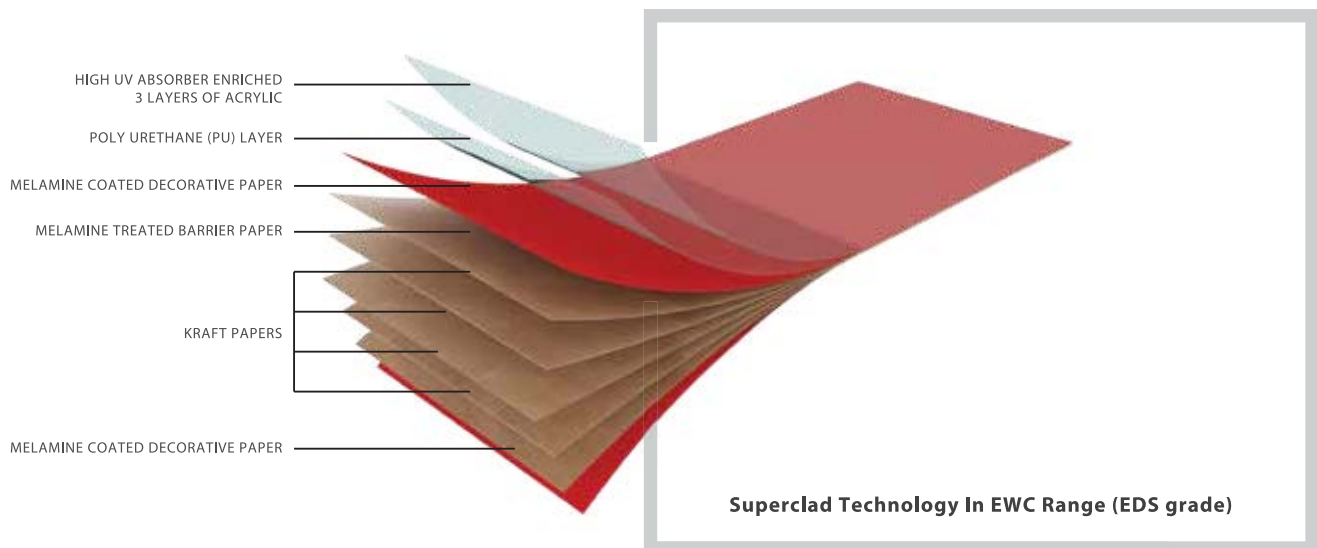
ARMOUR'S TECHNOLOGY

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 endurable to the core and helps it withstand 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 Claddings truly superior and strong for your exteriors.



THE SPECIAL ARMOUR

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 a superhero in the world of external claddings.



Against ALL 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 termit and fungal attacks.



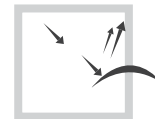
Against MOISTURE:

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 a good lifespan.



Against FLAME:

Special edition claddings are resistant to high temperatures and flame conditions. EWC is available with flame retardant grade.



Armoured against all odds for 10 years.

INSTALLATION SCHEMATICS

JUST ARMOUR IT UP

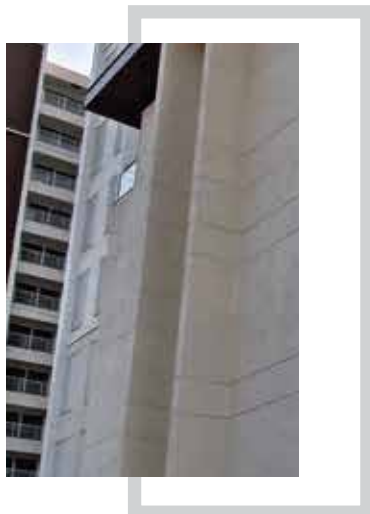
3 EASY AND QUICK SCHEMATICS TO INSTALL ARMOUR EWC

ADHESIVE:

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

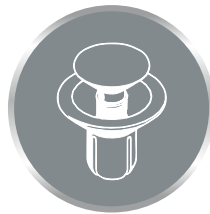


ADHESIVE

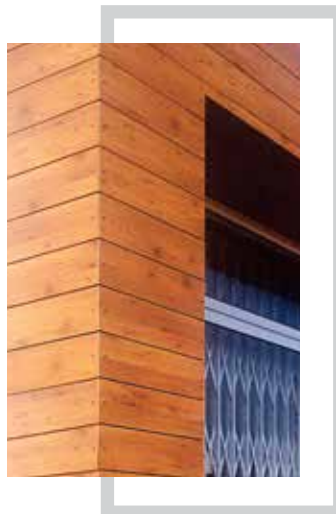


RIVETED:

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



RIVETED

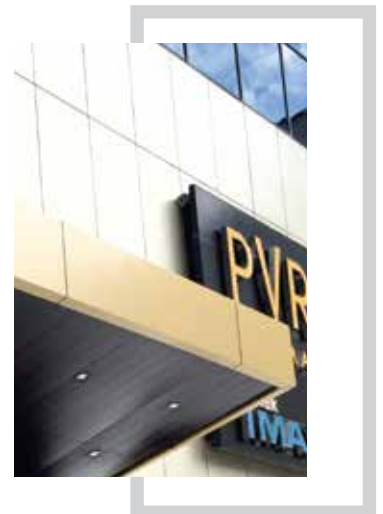


Z-CLIP:

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



Z-CLIP



Armour's Application Possibilities

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



RESIDENCE



SHOPPING MALL



HOTEL



RETAIL SHOP



OFFICE & INDUSTRIAL BUILDING

APPLICATION PLACES

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



40232 SF Soft Travertine



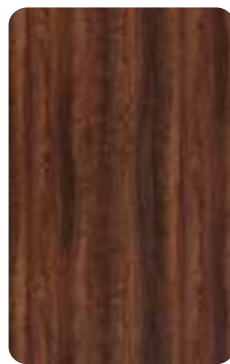
14693 SF Smoked Rovere Oak



14539 SF Brazilian Waknut



10510 SF Walnut Bronze



14177 SF Columbian Walnut

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)		$12.0 \leq t \leq 16.0$	± 0.60	± 0.50
Compact Density (g/cm ³)		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	12	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	17	0.30	0.15
	Cross Direction		0.60	0.35
Resistance to Impact by Large -Diameter Ball	Drop Height mm (min.)	21	1800	>2000
Resistance to Staining (Grade not Worse than)	Group 1 & 2	26	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/ m2 radiant exposure

| ***after +650 MJ/ m2 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



ECONOMY • EXCELLENCE • ETHICS

MERINO SHAURYA

ELEGANTLY TOUGH



INTERNAL WALL CLADDING

GUARDIANS
OF
THE WALL

INTRODUCTION

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



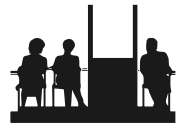
Laboratories



Educational Institute



Corporate Office



Waiting Corridor



Residential Complexes



Gym



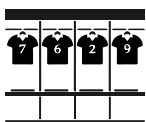
Lift Lobbies



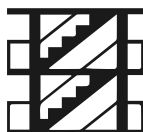
Reception Areas



Column



Locker Rooms
in Stadiums



Staircases



Kitchen Areas



Washrooms

COMPOSITION & PRODUCT USP's

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.



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.

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.

FEATURES



- | | |
|---|--|
| • Extremely durable | • Scratch resistance |
| • Strong resistance to impact | • Heat & cigarette burns resistance |
| • Non-toxic | • Chemical resistance |
| • 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 |

APPLICATION AREA

APPLICATION



COLUMN



FULL HEIGHT



CORRIDOR



STAIRCASE



GYM

Images shown are for reference only and do not represent any specific project.

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 ³	>1350	>1350
Weight 12mm Thickness 6mm	Kg/m ²	>24	26
Weight 18mm Thickness 9mm	Kg/m ²	>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 ^(a)	mm	+10mm / -0mm	+10mm / -0mm
Squareness ^(a)	mm / m	1.5 (Max.)	<1.5mm
Edge Straightness ^(a)	mm / m	1.5 (Max.)	<1.5mm
Edge Chipping	mm	3mm (Max.)	<3mm
Flatness ^(b) 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 Crazing	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 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

DESIGNED TO
OUTPERFORM



— IMPREZA —
Colorcore tops
WORKTOP SOLUTIONS

IMPREZA
Colorcore tops

DESIGNED TO
Outperform

Merino brings you a collection of unique and versatile high-performance ultra-thin compact surfaces carefully designed to maintain a uniform colour. Unlike any other surface, these super slim panels are engineered to outperform.

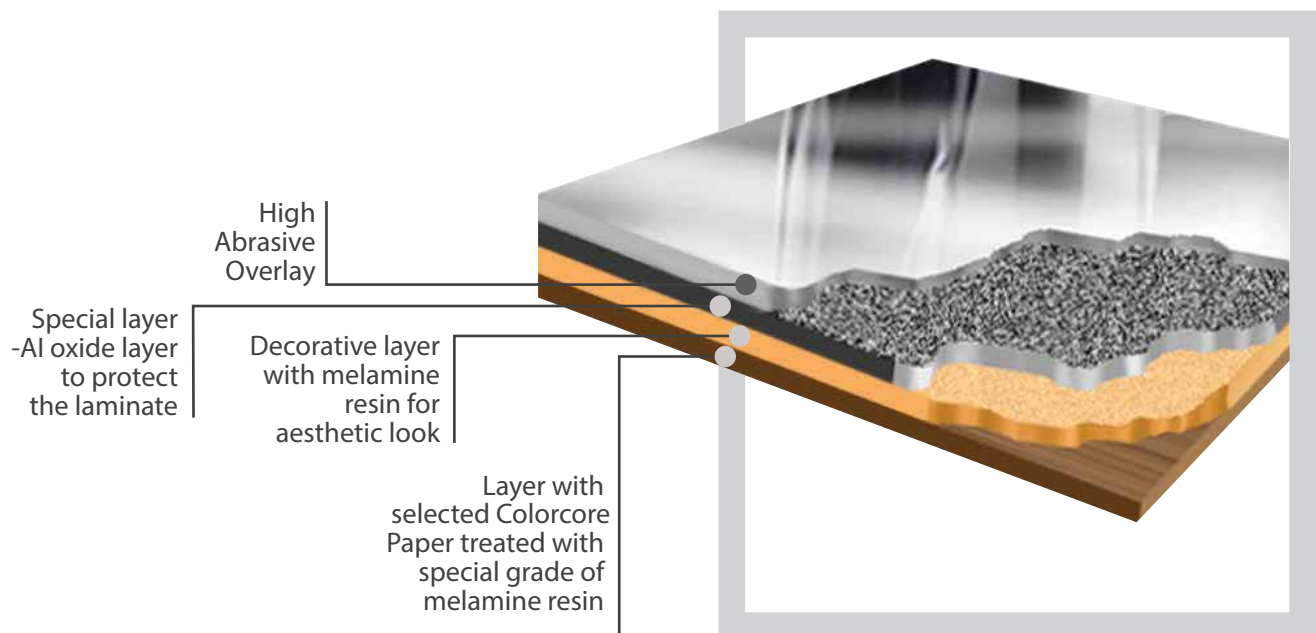


DESIGNED WITH
superior
PERFORMANCE TECHNOLOGY

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

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

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



WORKTOP RANGE
enhanced
PERFORMERS



WATER
RESISTANT



HIGH
IMPACT
RESISTANT



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



SUPER HYGIENIC /
ANTI-BACTERIAL



STAIN
RESISTANT



HEAT
RESISTANT

DESIGNED FOR MULTIPLE
applications



These Colorcore compact surfaces come in a variety of exclusive designs to be used for countertop, breakfast counters, backsplash and upstand. Its sleek look makes it impressively elegant and its performance exceeds that of any traditional marble, granite or man-made surface like acrylic stone.



DESIGNED TO BE *customised*

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



Curves

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

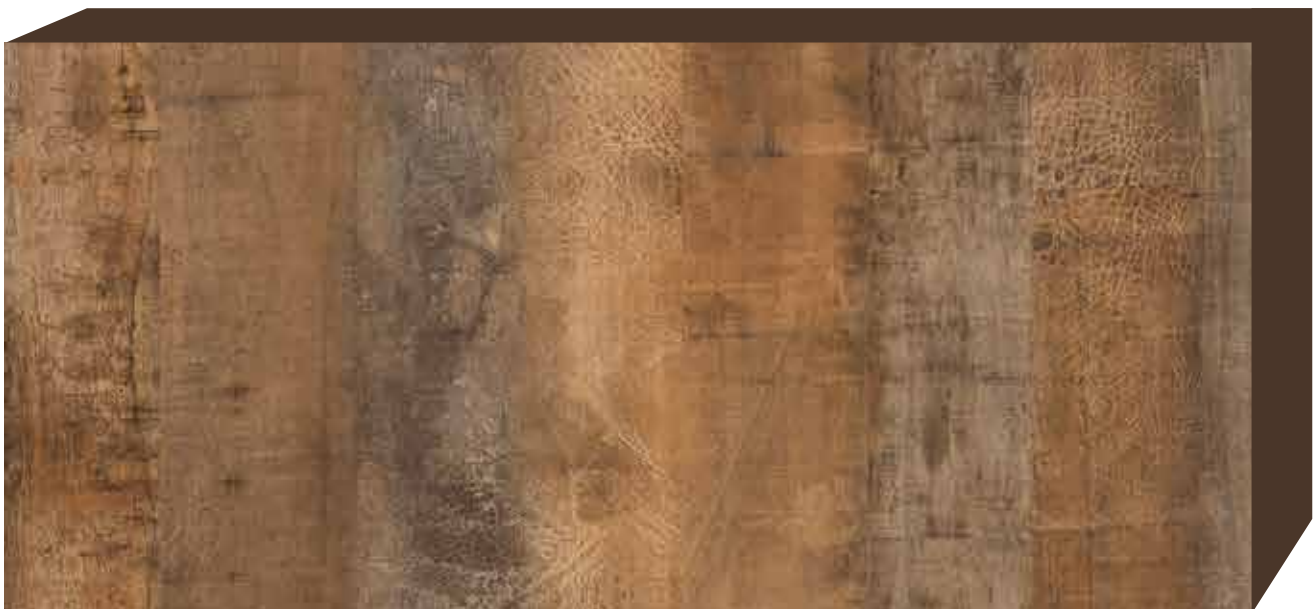


Tiling

This would be primarily used for backsplashes and shower enclosures.

IMPREZA DESIGN *collection*

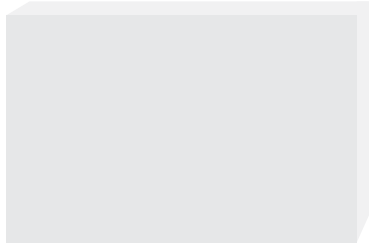
WOODGRAIN



Core: Brown

14685 Intorta Wood

SOLIDS



21741 Designer White

Core: Glacial White



22099 Slate

Core: Dark Grey



21066 Black

Core: Black

STONES



40475 Blanco Ibiza

Core: Glacial White



40477 Blanco Carrara

Core: Glacial White



40001 Cloud Terrazzo

Core: Glacial White



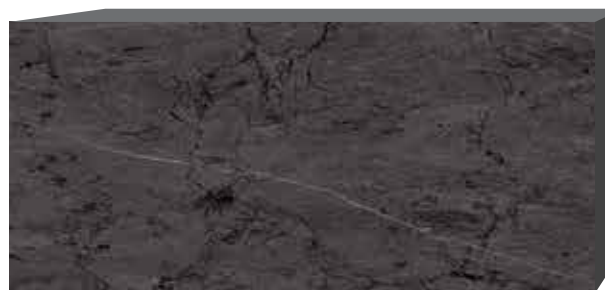
40215 Sunset Marble

Core: White



40002 Caster Terrazzo

Core: Light Grey



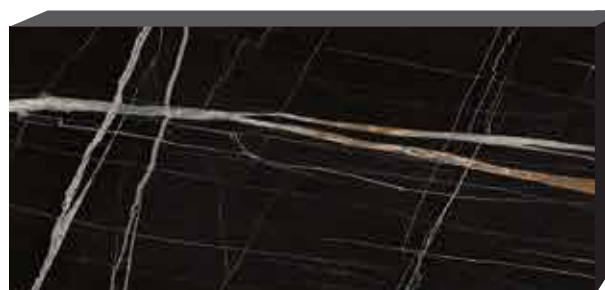
40476 Duskberg Marble

Core: Dark Grey



40265 Ashes Granite

Core: Brown



40478 Barmer Dark Marble

Core: Black

Technical Specification of 12 mm EP+ Compact Board

Properties		Test Method as Per EN 438-2005	Property	Standard Result as Per EN 438-4	Merino Value	
Design No.					40476	
Finish					Suede	
Resistance to surface wear (Revolution minimum)		Clause No. 10	Wear resistance	IP≥150	600	Satisfactory
				FP	950	
				Wear value ≥350	775	Satisfactory
Resistance to immersion in boiling water Appearance (Grade not worse than)		Clause No. 12	Thickness increase % (max)	2%	0.47%	Satisfactory
			Mass increase % (max)	2%	0.28%	Satisfactory
			Gloss finish	≥ Rating-3	Rating-5	Satisfactory
			Others	≥ Rating-4		
Resistance to water vapour Appearance (Grade not worse than)	Gross	Clause No. 14	Appearance	≥ Rating-3	Rating-5	Satisfactory
	Others			≥ Rating-4		
Resistance to dry heat at 220°C Appearance (Grade not worse than)	Gross	Clause No. 16	Appearance	≥ Rating-3	Rating-5	Satisfactory
	Others			≥ Rating-4		
Resistance to scratching		Clause No. 25	Smooth finish	≥ Rating-2	Rating-3	Satisfactory
			Textured finish	≥ Rating-3		
Resistance to staining (Grade not worse than)	Group 1 & 2	Clause No. 26	Appearance	≥ Rating-5	Rating-5	Satisfactory
	Group 3			≥ Rating-4	Rating-4	Satisfactory
Resistance to cigarette burns		Clause No. 30	Appearance	≥ Rating-3	Rating-5	Satisfactory



ECONOMY • EXCELLENCE • ETHICS



MERINORESTROOMS
THOUGHTFUL SOLUTIONS



MERINO RESTROOM SOLUTIONS

Since 2004, Merino Restrooms is pioneering the restroom space in India. In collaboration with Besco Singapore – a world leader in restroom solutions, Merino provides unrivalled quality and global standards in restrooms for Corporate Offices, Government Institutions, Educational Institutions, Hospitals, Commercial and Retail Sectors, Recreation Sectors, Industry & Warehouses and other public spaces.



FEATURES OF MERINO RESTROOMS

ABILITY TO CUSTOMISE

Merino's strength lies in its ability to customise the cubicles according to the special needs of clients. Be it any structural challenge, a new shape or design, Merino's engineering team defies all odds to fulfil the wishes of its clients.

INSTALLATION BY MERINO

Merino Restrooms installs almost every project through its in-house sales teams which ensure efficient, timely and perfect execution, setting it apart from the competition.

EXTENSIVE SALES AND SERVICE NETWORK

For Merino, restrooms are a serious undertaking which stands on solid pillars of innovation, customer centricity and most importantly impeccable after-sales service. Merino has a strong network of a sales team and an installation team that can be at the customer's service within 48 hours pan India.

STATE-OF-THE-ART PRODUCTION FACILITY

Merino Restrooms makes its own High-Pressure Compact Laminates in its state-of-the-art facility at Hapur, Uttar Pradesh. It enables sound control not just over raw material but also on the extremely critical supply chain. The facility boasts of machines from European companies like Schelling, Homag and Biesse, which enable extremely precise cutting and finishing of restroom cubicle panels.

10 YEARS WARRANTY

The impeccable quality of our compacts and premium-grade accessories, allows us to provide a comprehensive 10-year warranty* on compact panels and a 1-year warranty* on hardware and accessories.

MERINO RESTROOMS V/S BRICK CUBICLES



FACTORS	MERINO RESTROOMS	BRICKS & MORTAR
Economy	<ul style="list-style-type: none">• For every 3 brick cubicles, 4 to 5 Compact Cubicles can be installed in the same amount of space• Does not consume water• Negligible OPEX• Average time to install is less	<ul style="list-style-type: none">• 150mm thickness of partitions• Considerable OPEX• Consumes lots of water• Slow process thus more time required
Hygiene	<ul style="list-style-type: none">• Better ventilation due to bottom and side gap• Easy to clean	<ul style="list-style-type: none">• No gap at the top and bottom• Water, dust and stains settle in corners
Mechanical	<ul style="list-style-type: none">• Minimal load on building• Can be easily assembled	<ul style="list-style-type: none">• Load of structure is high• Cumbersome construction
Aesthetics	<ul style="list-style-type: none">• Up to 65 shades to choose from	<ul style="list-style-type: none">• Limited scope of beautification

OUR RANGE

AXIS

A virtually floating structure with uncompromised stability and sturdiness. Bacchus accessories complement the structure.



BACCHUS

Floor-mounted premium restroom with accessories designed in black squares which bring homogeneity in colour and design.



CEILING HUNG

This model attracts the attention of one and all through its marvellous design and light-weight appearance without compromising on strength and durability. In this system, nothing sits on the floor and entire weight of the cubicle is borne by the ceiling, supported by the box-up fixture.



ATHENA LITE

A revolutionary design idea in the league of free floor systems which is lighter, slimmer and cleaner.



TITAN STANDARD

Sleek design and ease of maintenance are the hallmark of this model. It comes with stainless steel top rails in rectangular and round options.



TITAN STANDARD (WITH CIRCULAR TOP-RAIL)

A floor mounted model supported by top-rail and legs. Facilitates ease of cleaning and maintenance.



TITAN 18 MM BOX-UP

This design eliminates the use of top rail as it uses heavy 18mm pilasters and doors. All the hardware and accessories are made of stainless steel.



TITAN 12 MM BOX-UP

When the ambience calls for elegance, the Titan 12 mm Box-up model is the perfect solution. Equipped with stainless steel made top rail arrangement, the model is a perfect blend of strength and aesthetics.



INTERNAL WALL PROTECTION SYSTEM

Shaurya is a state-of-the-art Internal Wall Protection (IWP) system that covers internal walls made of any suitable base material with extremely durable HPL compact panels, which not only prevent wall damage but also add unmatched aesthetic appeal to the walls.

WALL HUNG SYSTEM

In this type of wall protection system, various aluminum profiles form a strong and stable frame that can hold compact panels using a reliable and sturdy interlocking mechanism.



WALL PUNCHED SYSTEM

In this type of wall protection system, the compact panels are affixed directly into the wall without using any aluminum profiles. It is economical because it uses only 6mm compact panels and less number of aluminum profiles.



ZMS SS

This extensive series is available in a wide range of designs, textures and hues. It gives a clean and lean look with extruded powder-coated aluminum top rail.



ZMS NYLON

The use of nylon in all major accessories like top rail and legs makes the system light-weight and renders it suitable for places with low traffic.



MERINO BACK TO SCHOOL SERIES

This extensive series is available in a wide range of designs, textures and hues. It gives a clean and lean look with extruded powder-coated aluminum top rail.

TINY TOTS – SKITTLE



This premium model has specially designed doors and pilasters suited for smaller children.

TINY TOTS – CANDY



Every inch of the cubicle is designed to be child-friendly with intriguing shapes to capture their imagination.

STEPPING STONES - WAVE 1



The Stepping Stones model has premium features with highlighted Steel/Nylon/Aluminum accessories. They are easy to clean and maintain.

STEPPING STONES - WAVE 2



GROWING TREE SERIES



Customised for middle-school groups. They are easy to maintain and offer stability and accessibility.

GENNEXT



Designed for high schoolers and teenagers, the cubicle is supported from the bottom using adjustable legs and has an extremely sturdy structure.

URINAL MODESTY PANELS (UMP)

The Urinal Modesty Panels (UMP) made for men's restrooms are designed to ensure the privacy of users. UMP is basically the separator between two adjacent urinals in men's restrooms. It has hardware made of polyamide grade 6 (nylon) or stainless steel.



GRAB BARS

The Grab Bar system is a versatile tube and connector system which can be installed in public restrooms to provide 'get-up' support to the weak and needy. Merino Grab Bars are made of bacteria-resistant grade polyamide with wall fixing rose made of anti-corrosive steel along with polyamide cap to conceal fixing.



PRODUCT PERFORMANCE



IMPACT RESISTANT



EASY TO CLEAN



FLEXIBILITY OF DESIGN
AND SPACE SAVING



WATER RESISTANT



GRAFFITI RESISTANT



WIDE CHOICE OF COLOURS



ANTI-BACTERIAL



TERMITE RESISTANT



CHEMICAL RESISTANT



FIRE RESISTANT



ABRASION RESISTANT



CIGARETTE BURN RESISTANT

APPLICATION AREAS

FOR MERINO RESTROOMS



TRAVELLING
HOTSPOT



TOURIST, RELIGIOUS
AND PUBLIC PLACES



SPORTS, RECREATION
AND WELLNESS



INDUSTRY AND
WAREHOUSE



EDUCATIONAL



OFFICES

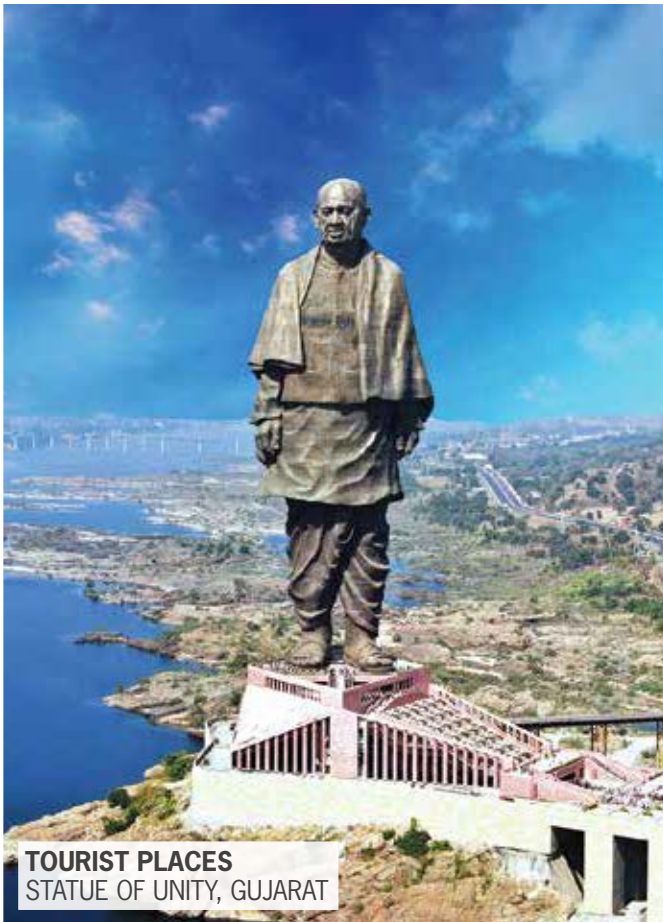
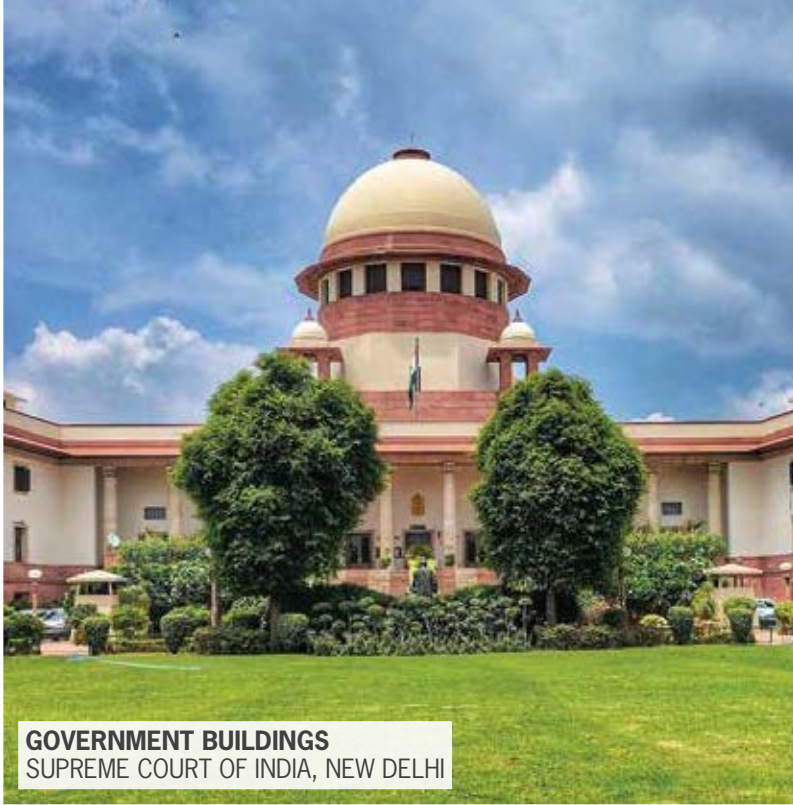


HEALTHCARE



COMMERCIAL, RETAIL
AND CINEMA

OUR PRESTIGIOUS INSTALLATIONS



OUR PRESTIGIOUS INSTALLATIONS



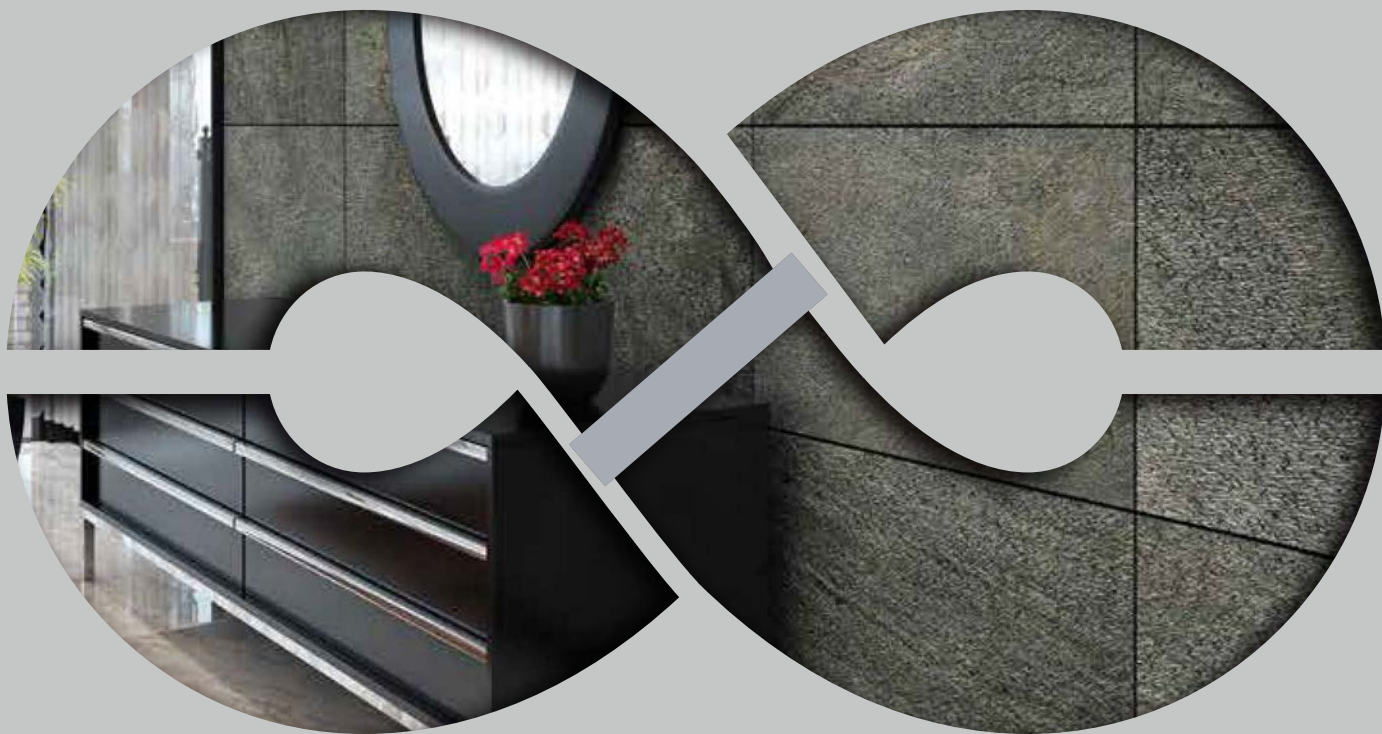
PROOF OF EXCELLENCE

At Merino, maintaining quality is a tradition which is lived with a passion. We encourage adherence to safety standards, promote ease-of-application, strive to reduce installation time, and help our customers maintain beautiful interiors with a wide range of Merino products.



STOVEN

ART OF NATURAL STONE



STOVEN

Stoven Flexible Stone Veneer is made from a thin layer of stone stripped or peeled from a metamorphic stone slab .

Thin veneers (0.5mm to 1mm thick) of slate, quartzite or sandstone are peeled away from the original thicker stone slab by using a special proprietary technology. Fiber Glass backing is fused onto the stone veneer's back to make the final product which is 1.5mm to 2mm thick . Due to it's durability and weather resistant properties, Stoven can be used for both indoors and outdoors . Stoven being ultra lightweight, can be applied to surfaces where real stone could not be used.

Stoven is available in 16 types (designs). As each veneer is made of actual stone, the color and texture of surfaces expectedly vary, but these natural variations only serve to add to the appeal and aesthetics to product or project they are used for.

Stoven is available in 4 standard specialty backing to adapt to multiple applications.

STANDARD STOVEN

Stoven Flexible stone veneer is made from a thin layer of stone stripped or peeled from a metamorphic stone slab. Thin veneers (from .5 mm to 1 mm thick) of slate, schist or sandstone are pulled away from the original thicker stone slabs by using a special proprietary technology. Fiber Glass backing is fused onto the stone veneer's backside to make the final product, with a total thickness of 1.5 - 2.0 mm.

TRANSLUCENT STOVEN

Fiber Glass backing is replaced by a Polyresin back, Translucent Stoven sheets allow light passing through when illuminated from the back. In the absence of light, they have the natural stone look.

PHENOLIC STOVEN

Natural stone with ease of Standard Plastic Laminate, our premier Phenolic-backed Stone veneer is the toughest product that we can make. The phenolic laminate backing is designed to be lightweight, easy to work with and post-formable. A radius down to 1.5 inches can be wrapped. Engineered stone veneer is a great product because it combines the ease of Standard Plastic Laminate with the grace and beauty of natural stone.

ULTRA THIN STOVEN

Ultra flexible thinnest natural stone is extremely thin and flexible veneer with natural stone surface and a cotton fabric backing. The product is less than 0.8mm in thickness and weighs less than 0.8 kg/sq mtr. This is extremely flexible and is easy to apply around corners and round objects.





9001 Aqua Base



9002 Balsam Green Slate



9003 Blanco Slate



9004 Brick Dust



9005 Cuban Sand



9006 Dark Spruce



9007 Earth Crust



9010 Lake Stone



9011 Magma

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ECONOMY ♦ EXCELLENCE ♦ ETHICS