



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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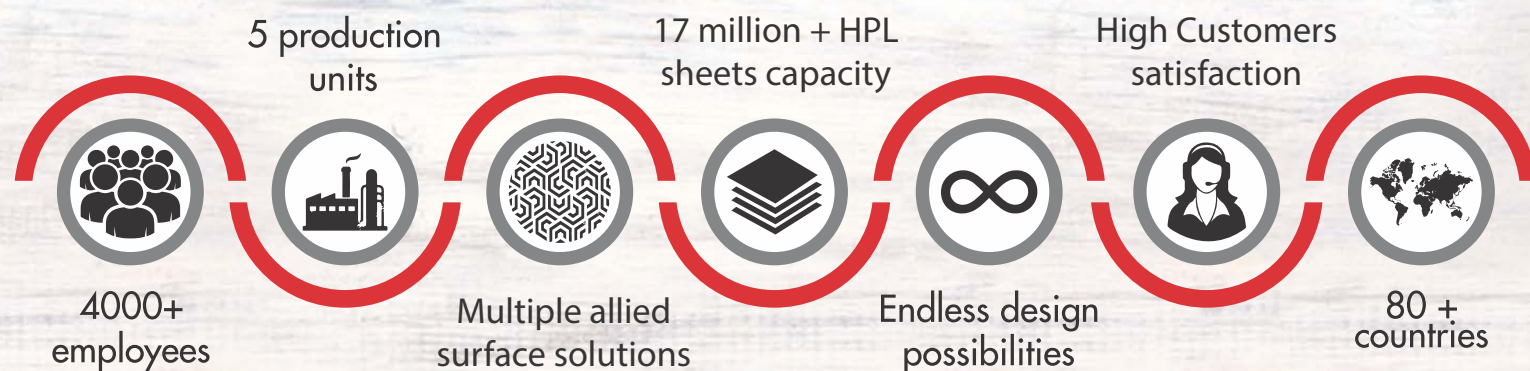
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ABOUT MERINO

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 - 1076"

03

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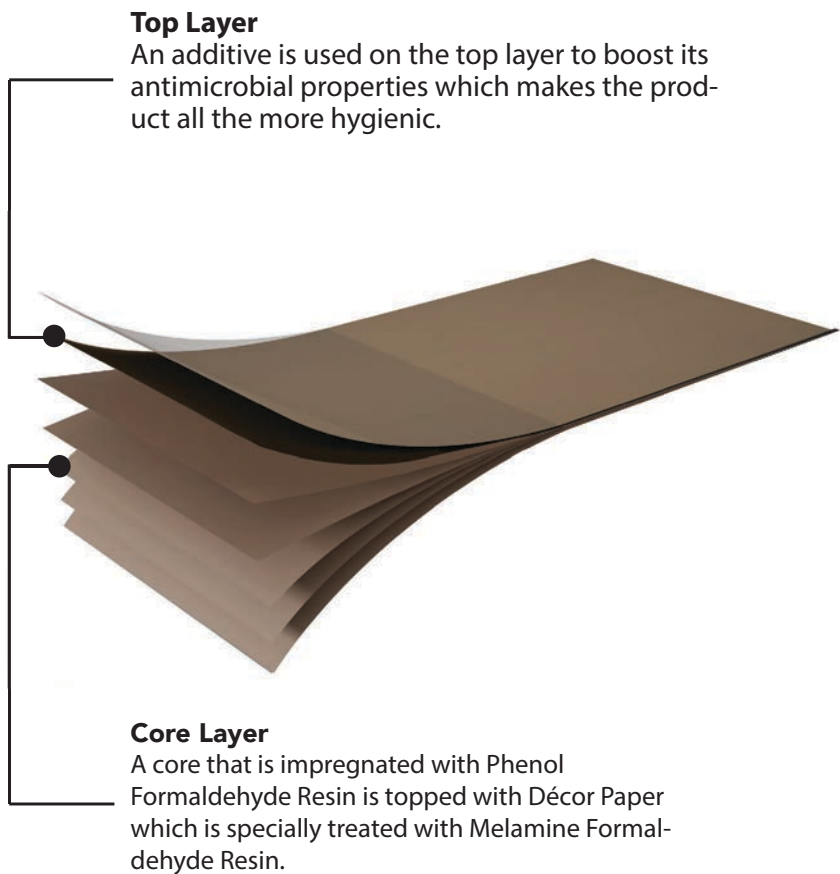
AB+ Hygiene makes the difference.

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 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.”

Un-Infected Composition



Un-Infected Features

ANTI-BACTERIAL



HYGIENIC



HIGHLY DECORATIVE



TERMITE RESISTANT



SCRATCH RESISTANT



IMPACT RESISTANT







Tabletops



10197
Celestial Blue

Cabinetry & Case Work

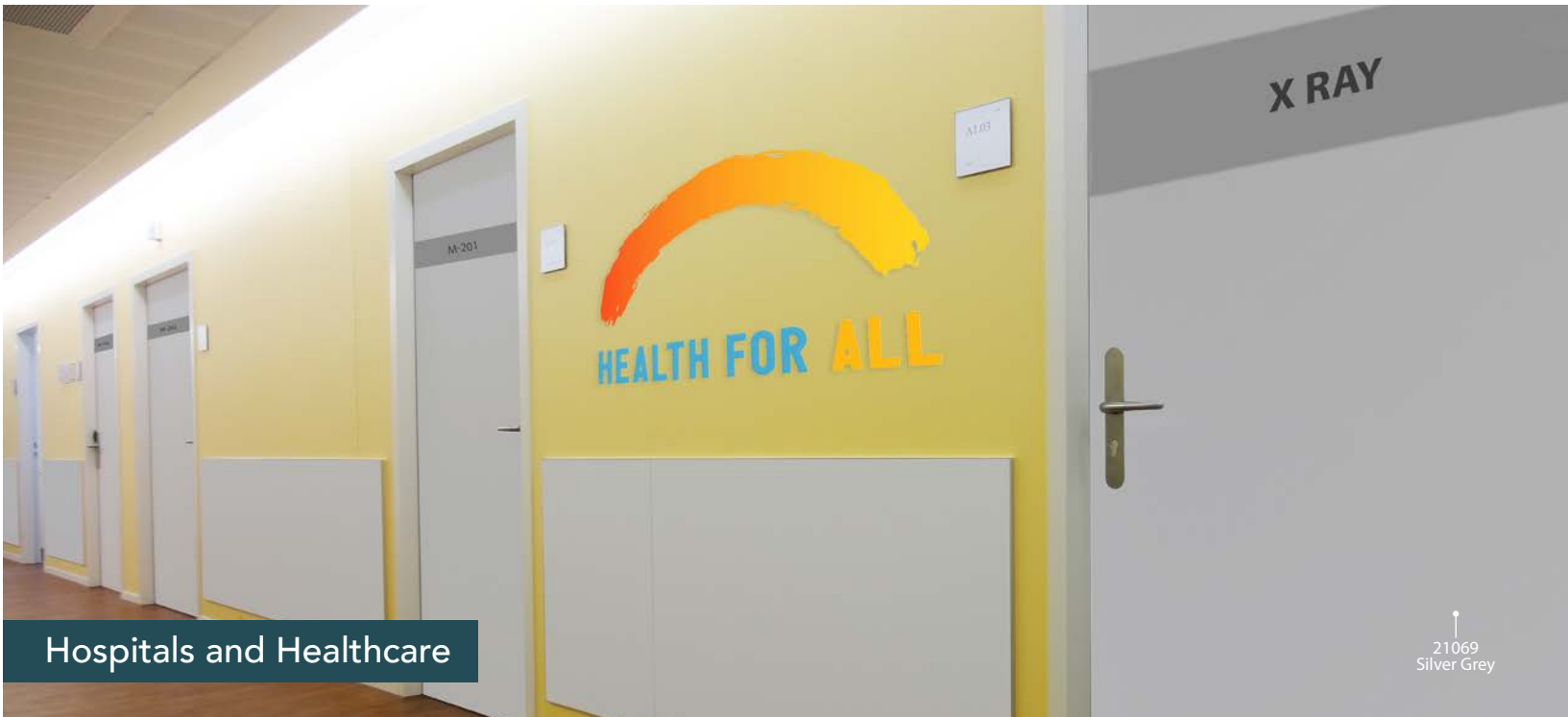
Un-INFECTED SECTORS

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.

R&D/Pathological Labs



Premium Residential

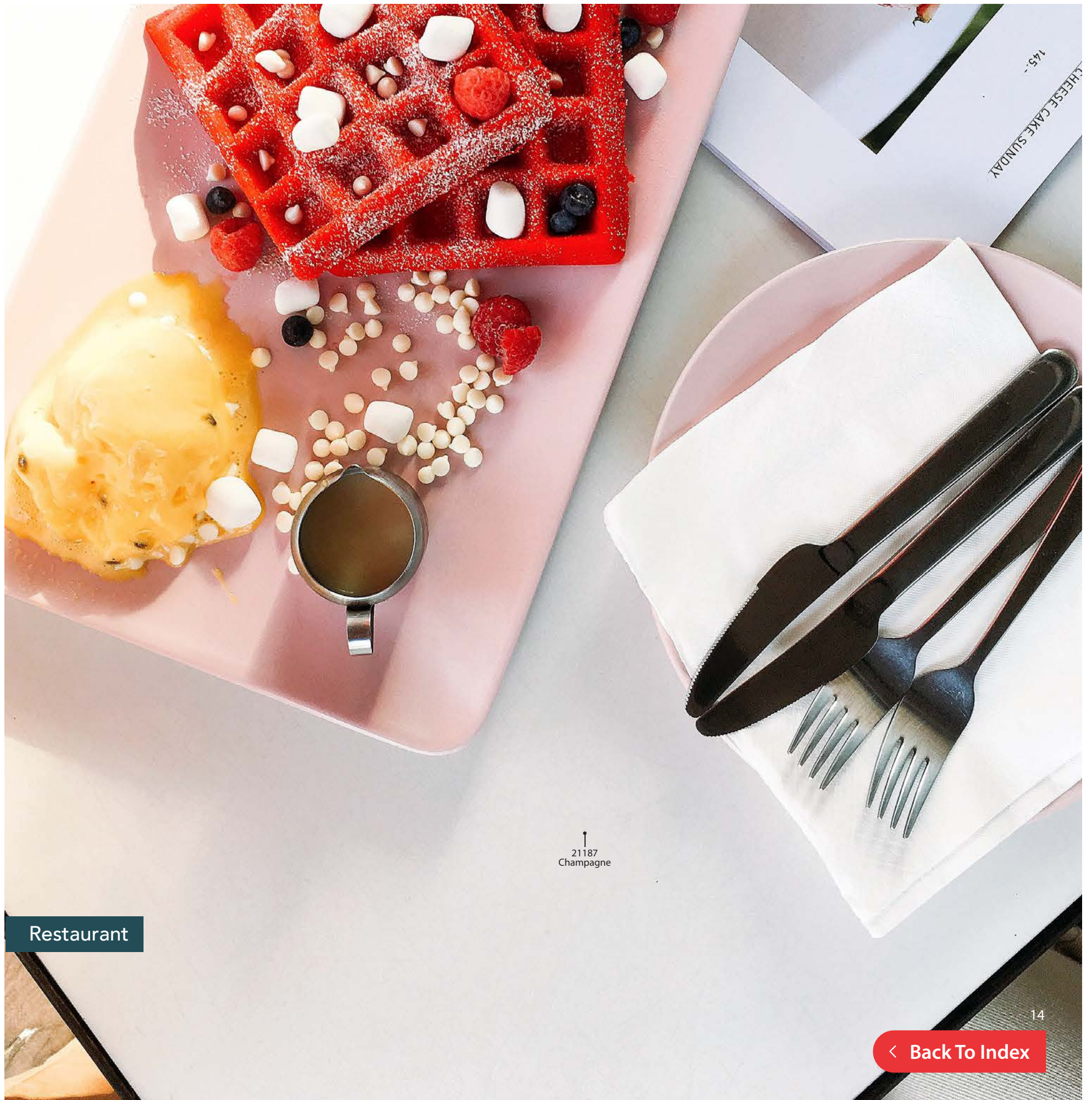


Hospitals and Healthcare



14588
Apex Leaved Elm

Public Catering



Restaurant

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

AVAILABILITY MATRIX

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

Merino Finishes		Available Standard Sizes (mm) width X length							
Finishes	1220 x 2440 (4 feet X 8 feet)	1220 x 3050 (4 feet X 10 feet)	1300 x 2440 (4.3 X 8 feet)	1300x 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)	Compact Only 1830 x 3660 (6 X 12 feet)	1830 x 4300 (6 X 14 feet)
Crystal	NO	NO	NO	NO	NO	NO	Y	NO	NO
Drizzle	Y	NO	NO	NO	NO	NO	NO	NO	NO
Flicker	Y	Y	NO	NO	NO	NO	NO	NO	NO
Gemstone	Y	NO	NO	NO	NO	NO	NO	NO	NO
Glossy	Y	Y	NO	NO	NO	NO	NO	NO	NO
Hi-Gloss	Y	Y	NO	NO	Y	Y	Y	NO	NO
Impression	Y	NO	NO	NO	NO	NO	NO	NO	NO
Linen	Y	NO	NO	NO	NO	NO	NO	NO	NO
Matt	Y	Y	Y	Y	Y	NO	NO	NO	NO
Classic Leather	Y	Y	NO	NO	NO	NO	NO	NO	NO
Opal	Y	NO	NO	NO	Y	Y	Y	NO	NO
Streak	Y	NO	NO	NO	NO	NO	NO	NO	NO
Suede	Y	Y	Y	NO	Y	Y	Y	Y	Y
Veneer	Y	NO	NO	NO	NO	NO	NO	NO	NO
Wave	Y	NO	NO	NO	NO	NO	Y	NO	NO
Whitney	Y	NO	NO	NO	NO	NO	NO	NO	NO
Galactic	Y	NO	NO	NO	NO	Y	Y	NO	NO
Sandstone	NO	NO	NO	NO	NO	NO	Y	NO	NO

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)	3	>3
			Gloss Finish Other finishes	4	>4
Resistance to dry Heat at 180°C	16	Appearance	Grade (min)	3	>3
			Gloss Finish 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)	3	>3
			Gloss Finish 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 X 10 ⁷ cfu/m1)	SGS/SOP/MICRO/BT/043	L.R.-99.99% (C.T.- 24hrs)
S.Aureus (ATCC-65388) (4.8 X 10 ⁶ cfu/m1)	SGS/SOP/MICRO/BT/043	L.R.-99.99% (C.T.- 24hrs)
P.aeruginosa (ATCC-15442) (7.1 X 10 ⁷ cfu/m1)	SGS/SOP/MICRO/B[17043	L.R.-99.99% (C.T.- 24hrs)
E.coli (MTCC-443) (7.9 X 10 ⁷ cfu/m1)	SGS/SOP/MICRO/BT/043	L.R.-99.99% (C.T.- 24hrs)

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

Sample, Not for Sale

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