

# SHOWERWALL DATA SHEET



Details of our Merino Compact range.

## MERINO COMPACT GRADE FOR INTERNAL USES

Merino Compact laminates are a robust, high quality surfacing solution recommended for use in a variety of interior applications. Compact laminates are thick High-Pressure Laminates that conform to EN 438 standards. They range from at least 2mm in thickness and can go as high as 30 mm. Compared to most engineered products, compacts are highly homogenous structure. For thicknesses above 5mm, compact laminates are considered as self-supporting. Any laminates under 3 mm are typically bonded to rigid supports, while rigid supports are recommended at short intervals for self-supporting applications of 3-5 mm compact thickness.

## TECHNICAL SHEET

Product: Compact Laminate Panels for Internal Wall Finishes.

Thickness: 3 mm (As per EN 438-4)

PROPERTY	TEST METHOD	PROPERTY OR ATTRIBUTE	UNIT OF MEASUREMENT (MAX OR MIN)	MERINO VALUES
Density	EN ISO 1183		g/cm <sup>3</sup>	>1.38
Resistance to Surface wear	EN:438-2- 10	Wear Resistance	IP	>150
Resistance to Immersion in boiling water	EN:438-2- 12	Appearance Mass increase Thickness increase	Rating (min) (%) (%)	5 3.0 1.5
Resistance to Dry Heat (160°)	EN:438-2-16	Appearance	Rating(min)	4
Dimensional Stability at Elevated temp. (Max %)	EN:438-2-17	Cumulative dimensional change	Machine direction	0.30
			Cross direction	0.70
Resistance to Impact (Large dia ball)	EN:438-2-21	Drop Height	mm (min)	1500
Resistance to Crazeing	EN:438-2-24	Appearance	Rating (min)	4
Resistance to Scratching	EN:438-2-25	Force	Rating (min) Rating (Smooth) Rating (Textured)	2 3
Resistance to Stains	EN:438-2-26	Appearance	Group 1 & Group 2	5
			Group 3	4

Light Fastness	EN:438-2-27	Grey Scale	Rating (min)	4-5
Flexural Strength -Longitudinal Strength -Transverse Strength	EN ISO 178	Stress	N/mm <sup>2</sup>	92 85
Flexural Modulus -Longitudinal Strength -Transverse Strength	EN ISO 178	Stress	N/mm <sup>2</sup>	10500 9500
Water Vapour Resistance factor -Wet Cup -Dry Cup	EN-438-7		μ	110 250

#### **STORAGE INSTRUCTIONS**

Merino Compact laminates should be safely stored under controlled conditions. Compact laminates are thick sheets, and improper storage can cause them to warp or telegraph owing to their self-weight. Compact Laminates should be stored laid flat and stacked horizontally. The stack should be placed on a level surface, with a protective laminated board on the top. Avoid contact between the bottom sheet and the floor. The edges should be lined up together, and the stack should always remain balanced and even. To protect the material, ensure that the edges are always protected. In storage areas, ensure the product is protected against moisture.

#### **HANDLING INSTRUCTIONS**

Compact laminates are heavy owing to their high density and homogenous composition. They should be handled carefully to avoid damage or injury to the operator. Always lift the sheets, either manually or by using a lifting system with suction caps. Minimum two operators are recommended to lift the sheet. They should be lifted equally from the corners, ensuring the sheet remains properly balanced. Protect the edges from impact while stacking the sheets for transport. During loading and unloading of material, never let the sheets slide over each other. The sheets should be lifted straight up.