

Test Values of Merino PlyMeister-Matt
Thickness :18.0mm

<i>Parameters</i>	<i>Standard</i>	<i>Property or Attribute</i>	<i>Unit</i>	<i>Standard Value</i>	<i>Merino Value</i>
Thickness Variation	IHD-W-454		mm	±0.5mm	±0.5mm
Density	EN-323		kg/m ³	800 ±10	805
Dimension Tolerance	EN-324-1		mm	+5.0 - 0.0	+3.0 - 0.0
Adhesion (Cross Cut)	IHD-W-464		Rating	0	0
Gloss Level at 60° angle	EN 14323		Level	<5	2.6
DOI Value	RHO Point meter		Level	0	0
RIQ Value	RHO Point meter		Level	0	0
Resistance to Surface wear	EN 438-2.10	Wear Resistance	Revolution	≥350	>1500
Resistance to Food & Chemicals	IHD-W-460		Grading	5	5
Light Fastness	EN 14323	Contrast	Rating	5	>5
Resistance to water Steam	EN 14323	Appearance	Rating	3	>3
Resistance to Dry Heat	EN-438	Appearance	Rating	5	>5
Resistance to Cracking	EN 14323	Appearance	Rating	5	>5
Resistance to Impact Stress (Large Diameter steel wall)	EN 14323	Drop height	cm	>100	>110
Resistance to Staining	EN 438-2.26	Appearance	Rating Group 1 & 2 Group 3	≥5 ≥4	>5 >4
Glue Adhesion in Dry State a) Glue share strength b) Adhesion of Plies (Knife test)	IS: 710	R	N	>1350 Pass	1440 Pass



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Resistance to Water (72 hrs Boiling) a) Glues share strength b) Adhesion of Plies (Knife Test)	IS: 710		N	>1000 Pass	>1180 Pass
Tensile Strength a) Perpendicular b) Parallel	IS: 710	Stress	N/mm ²	>25 >42	>30 >45
Modulus of Rapture	EN-310	Stress (cross Grain)	MPa	>44.9	>60
Modulus of Rapture	EN-310	Stress (long Grain)	MPa	>62.5	>65
Modulus of elasticity	EN-310	Stress (cross Grain)	MPa	>5550	>5800
Modulus of elasticity	EN-310	Stress (long Grain)	MPa	>9250	>9300
Formaldehyde content CRAB P2 / E1 Grade	EN-120		mg/100gm	≤2mg/100g m	< 2.0 mg/100gm

Specification language

Matt Meister is a 2440mmx1220mmx18mm decorative Super Matt lacquered panel with modified Poly Urethane coating reinforced with acrylic polymer on double faced melamine Plywood Board for Interior Applications.

Note: All our products comply to applicable standards, but results may differ based on the application and handling of the product. Please Refer <http://www.merinolaminates.com/warranties.aspx> for warranty clauses.