

MOREWOOD M | LAM

MATERIAL PROPERTIES DATA SHEET

MOREWOOD M is a non-porous homogeneous high-density material produced by simultaneous application of heat and pressure. The core is composed of paper impregnated with aminoplastic thermosetting resins. The decorative surface is made of a real wood veneer covered with thermosetting resin. MOREWOOD M is available in standard WTS type and flame retardant WTF type according to EN 438-8:2018.

PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	VALUES	UNIT
GENERAL PROPERTIES				
Surface quality	EN 438-2:2016 Par. 4	Spots, dirt and similar surface defects Fibers, hair and scratches	≤ 1 ≤ 10	mm ² /m ² mm/m ²
Dimensional tolerances	EN 438-2:2016 Par. 5	Thickness ⁽¹⁾	± 0,15 ⁽²⁾ 0,5 ≤ t < 1,0	mm
	EN 438-2:2016 Par. 6	Length and width	+ 10 / - 0	mm
	EN 438-2:2016 Par. 7	Straightness of edges	≤ 1,5	mm/m
	EN 438-2:2016 Par. 8	Squareness	≤ 1,5	mm/m
	EN 438-2:2016 Par. 9	Flatness (measured on full-size sheet)	≤ 120	mm/m
PHYSICAL PROPERTIES				
Resistance to immersion in boiling water	EN 438-2:2016 Par. 12	Appearance	Pass	Delamination pass or fail
Resistance to impact by large diameter ball	EN 438-2:2016 Par. 21	Drop height Indent diameter	≥ 600 ≤ 12	mm
Density	EN ISO 1183	Density	≥ 1,35	g/cm ³
SURFACE PROPERTIES				
Resistance to surface wear	EN 438-2:2016 Par. 10	Initial point	≥ 100	Revolutions
Resistance to water vapour	EN 438-2:2016 Par. 14	Appearance	≥ 2	Rating
Resistance to dry heat (100°C)	EN 438-2:2016 Par. 16	Appearance	≥ 3	Rating
Resistance to wet heat (100°C)	EN 438-2:2016 Par. 18	Appearance	≥ 3	Rating
Resistance to scratching	EN 438-2:2016 Par. 25	Force	≥ 2	Rating
Resistance to staining	EN 438-2:2016 Par. 26	Appearance	≥ 4 groups 1 & 2 ≥ 4 group 3	Rating
Light Fastness (Xenon-arc)	EN 438-2:2016 Par. 27	Contrast	≥ 2 ⁽³⁾	Grey scale rating
FIRE PERFORMANCES				
Reaction to fire	The reaction to fire of Morewood M is related to the final composite panel where the laminate is bonded to a substrate. The composite manufacturer is responsible for the correct execution of the test in accordance with the applicable standards and test methods required for the specific application field as the test results also depend on the substrate, the adhesive and the bonding technique applied.			
Module B + Module D ⁽⁴⁾ Marine Equipment Directive (MED)	IMO Res. MSC 307(88) (2010 FTP Code) Annex 1 Part 2 and 5	Compliance with the requirements	EC TYPE-EXAMINATION CERTIFICATE PRODUCTION QUALITY ASSURANCE	0987/MED-B/784 0987/MED-D/706

Notes

- (1) t: nominal thickness [mm]
 (2) Due to natural veneers, in some cases, the thickness tolerance may be slightly higher than the quoted value
 (3) Due to natural veneers, differences in light fastness performances may occur. Different light exposure, different wood species and different sources of wood may influence the results. Exposition to direct and strong light, could cause sudden and irregular changes in the original color; moreover, heat and humidity interacting with light could accelerate the process.
 (4) Morewood M is available as "Morewood B1" in flame retardant WTF type in compliance with all the requirements required by Marine Equipment Directive. Please, contact Puricelli's Sales Office for further information about applications and limitations on certificates.

Note to MOREWOOD natural wood veneer surface

MOREWOOD surface is real wood that is a natural product, each veneer may be considered as unique. Therefore, color shade and construction (structure) may change from batch to batch and even from panel to panel, being this a property of natural wood. Singularities such as knots and resin inclusions are not considered as defects, but as part of the decor.

Note to MOREWOOD sheets with adhesive protective film

The protective films are designed for temporary surface protection against dirt, scratches and tool marks; they are not designed for protection against corrosion, humidity or chemicals. The laminates covered with the protective film shall be stored in a clean, dry place (40 to 60 RH%) at room temperature (20 to 25 °C), avoiding weathering and UV exposure. In any case, the removal must be made within four months from the date of shipment by Puricelli. Puricelli cannot be responsible for the misuse of the laminates covered with the protective film, nor for the consequences for non-recommended applications.