

# MOREWOOD NT | LAM

## MATERIAL PROPERTIES DATA SHEET

MOREWOOD NT 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 a natural touch coating.

PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	VALUES	UNIT
<b>GENERAL PROPERTIES</b>				
Surface quality	EN 438-2:2016 Par. 4	Spots, dirt and similar surface defects Fibers, hair and scratches	$\leq 1$ $\leq 10$	mm <sup>2</sup> /m <sup>2</sup> mm/m <sup>2</sup>
Dimensional tolerances	EN 438-2:2016 Par. 5	Thickness <sup>(1)</sup>	$\pm 0,15^{(2)}$ $0,5 \leq t < 1,0$	mm
	EN 438-2:2016 Par. 6	Length and width	+ 10 / - 0	mm
	EN 438-2:2016 Par. 7	Straightness of edges	$\leq 1,5$	mm/m
	EN 438-2:2016 Par. 8	Squareness	$\leq 1,5$	mm/m
	EN 438-2:2016 Par. 9	Flatness (measured on full-size sheet)	$\leq 120$	mm/m
<b>PHYSICAL PROPERTIES</b>				
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	$\geq 600$ $\leq 12$	mm
Density	EN ISO 1183	Density	$\geq 1,35$	g/cm <sup>3</sup>
<b>SURFACE PROPERTIES</b>				
Resistance to water vapour	EN 438-2:2016 Par. 14	Appearance	$\geq 4$	Rating
Resistance to dry heat (100°C)	EN 438-2:2016 Par. 16	Appearance	$\geq 4$	Rating
Resistance to wet heat (100°C)	EN 438-2:2016 Par. 18	Appearance	$\geq 4$	Rating
Resistance to scratching	EN 438-2:2016 Par. 25	Force	$\geq 1$	Rating
Resistance to staining	EN 438-2:2016 Par. 26	Appearance	$\geq 5^{(3)}$ groups 1 & 2 $\geq 4$ group 3	Rating
Light Fastness (Xenon-arc)	EN 438 -2:2016 Par. 27	Contrast	$\geq 2^{(4)}$	Grey scale rating
<b>FIRE PERFORMANCES</b>				
Reaction to fire	The reaction to fire of Morewood NT 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 <sup>(5)</sup> 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    0987/MED-B/784 PRODUCTION QUALITY ASSURANCE    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) The declared value is not applicable for contact with acetone.
- (4) 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.
- (5) Morewood NT 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.