

MIXIS 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 special layer with a metallic effect.

PROPERTIES	TEST METHOD	PROPERTY OR ATTRIBUTE	VALUES	UNIT
GENERAL PROPERTIES				
Surface quality	EN 438-2:2016 Par. 4	Spots, dirt and similar surface defects	≤ 1	mm ² /m ²
		Fibers, hair and scratches	≤ 10	mm/m ²
Dimensional tolerances	EN 438-2:2016 Par. 5	Thickness ⁽¹⁾	± 0,10 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)	≤ 60	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 ≤ 10	mm
Density	EN ISO 1183	Density	≥ 1,35	g/cm ³
SURFACE PROPERTIES				
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	5 ⁽²⁾ ≥ 4 groups 1 & 2 group 3	Rating
Light Fastness (Xenon-arc)	EN 438-2:2016 Par. 27	Contrast	≥ 4	Grey scale rating
ENVIRONMENTAL PROPERTIES				
Formaldehyde emission	EN 13986	Formaldehyde emission rating	E1	Rating
Volatile organic chemical emission	AFNOR NF EN ISO 16000-9	Classification	A+	Rating
		TVOC emission	≤ 0,2	mg/m ³
Phenol Free ⁽³⁾	AFNOR NF EN ISO 16000-9	Phenol emission	< 0,002	mg/m ³

Notes

- (1) t: nominal thickness [mm]
 (2) The declared value is not applicable for contact with acetone.
 (3) Phenol is not used as raw material in MIXIS|LAM production. 0,002 mg/m³ is the detection limit (DL) value of the test.

Note to MIXIS|LAM 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.