



TOUCH
THE DESIGN

MOREMATT G | FLEX
MATERIAL PROPERTIES DATA SHEET

MOREMATT G | FLEX is a non-porous homogeneous material produced by simultaneous application of heat and pressure. The decorative surface is made of impregnated paper coated with special acrylic resins cured through an electron beam process. The surface is supported by a cellulose-based layer suitable for gluing to a support.

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
PHYSICAL PROPERTIES				
Resistance to immersion in boiling water	EN 438-2:2016 Par. 12	Surface appearance	≥ 3	Rating
Density	EN ISO 1183	Density	≥ 1,2	g/cm ³
Formability	EN 438-2:2016 Par. 32	Bending radius	2 Longitudinal ⁽¹⁾	mm
Resistance to blistering	EN 438-2:2016 Par. 34	Time to blister	≥ 10	s
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	5	Rating
Resistance to dry heat (160°C)	EN 438-2:2016 Par. 16	Appearance	5	Rating
Resistance to wet heat (100°C)	EN 438-2:2016 Par. 18	Appearance	5	Rating
Resistance to scratching	EN 438-2:2016 Par. 25	Force	≥ 4	Rating
Resistance to staining	EN 438-2:2016 Par. 26	Appearance	5 groups 1 & 2 ≥ 4 group 3	Rating
Light Fastness (Xenon-arc)	EN 438-2:2016 Par. 27	Contrast	≥ 4	Grey scale rating
Surface specular reflectance	ISO 2813	Surface specular reflectance	5 ÷ 15 measured at 85°	Gloss unit
FOOD & HYGIENE PROPERTIES				
Contact with food - overall migration	Contact with food - overall migration	Contact with food - overall migration	Contact with food - overall migration	Contact with food - overall migration
Evaluation of micro-organisms action	JIS Z 2801:2012	Antimicrobial activity after 24h	> 3 > 99,9	Bacterial viability: Log reduction % Reduction
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 ⁽²⁾	AFNOR NF EN ISO 16000-9	Phenol emission	< 0,002	mg/m ³

Notes

- (1) Longitudinal: parallel to the fiber direction
(2) Phenol is not used as raw material in MOREMATT G production. 0,002 mg/m³ is the detection limit (DL) value of the test.