

SURFORMA® MAGNETIC

Magnetic laminates

DESCRIPTION

SURFORMA® Magnetic laminates, according to EN 438, are excellent materials for indoor surfaces and meet the stringent requirements for hygiene, fire resistance, humidity resistance, mechanical properties and valued with a magnetic property.

The surface of the laminate is antibacterial, validated accordingly to Japanese regulation JIS Z 2801.

SURFORMA® Magnetic is available in a variety of colours, providing extensive options for architects and designers.

Please check offer & service brochure for more information on sizes and thicknesses available.

APPLICATIONS

SURFORMA® Magnetic laminates are intended for interior applications in horizontal and vertical surfaces where design, appearance, quality and durability are important features. SURFORMA® Magnetic can be written on with chalks or special board markers, making them an exquisite choice for use as display presentation and information boards.

SURFORMA® Magnetic offers a wide variety of applications and uses in environments such a retail, education, commercial and residential.



FOR PANELING



KITCHENS



SPORTS & LEISURE



DOORS



HEALTH & WELLNESS



RESTAURANTS & HOTELS



RETAIL & EXHIBITIONS



OFFICES & EDUCATION

PROPERTIES



DURABILITY



SCRATCH RESISTANT



LOW EMISSIONS



TO WRITE WITH CHALK



DIMENSIONAL STABILITY



ABRASION RESISTANT



EASY TO CLEAN



STAIN RESISTANT



ANTI-STATIC



VERSABILITY



MAGNETIC



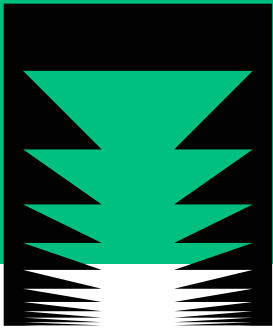
LIGHT RESISTANT

RECOMMENDATIONS

SURFORMA® laminates should be properly stored to be protected from moisture, humidity and direct sunlight. When handling or moving decorative laminates, it is important that the sheets be lifted above adjacent sheets to avoid damage that can occur if the sheets are pulled or slid against each other. For larger sizes, it is recommended that sheets be carried arched along the longitudinal axis to prevent sagging.

SURFORMA® laminates require no special maintenance because of their durable, hygienic and waterproof surface. Their surface can be cleaned with warm water followed by wiping with a paper towel or soft cloth. Persistent contamination can usually be eliminated with non-abrasive household cleaners. They are resistant to most solvents and chemicals used daily at home. Because laminates are classified as non-hazardous, it is not necessary additional product description labels. They are cured materials and chemically inert. REACH classification does not apply to them.

SURFORMA®'s laminates can be brought to control waste disposal sites according to current national and/or regional regulations. PB and MDF are recommended by SURFORMA® as excellent substrates and should have a minimum thickness of 16 mm. To avoid distortion of sandwich panels, it is recommended to use Magnetic laminates on both sides. The most suitable adhesives are PVAc and UF. On cutting process, the best results are achieved with fixed circular saws, with at least 60 teeth of minimum thick of 1,8mm.



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GENERAL FEATURES

PROPERTIES	TEST METHOD	UNIT (MAX OR MIN)		MAGNETIC
General Requirements (EN 438-2:2016, Clause n.º)				
Thickness	EN 438-2:5	mm (max. variation)	1 mm / 1,2 mm	± 0,15 / ± 0,18
Length and width	EN 438-2:6	mm		+ 10 / - 0
Edges straightness	EN 438-2:7	mm/m (max. deviation)		1,5
Edges squareness	EN 438-2:8	mm/m (max. deviation)		1,5
Flatness	EN 438-2:9	mm/m (max. deviation)		100
General Requirements				
Resistance to surface wear	EN 438-2:10	Revolutions (min.)	Initial Point	150
Resistance to immersion in boiling water	EN 438-2:12	Appearance, rating (min.)	Gloss/other finishes	3 / 4
Resistance to water vapour	EN 438-2:14	Appearance, rating (min.)	Gloss/other finishes	3 / 4
Resistance to dry heat (160 °C)	EN 438-2:16	Appearance, rating (min.)	Gloss/other finishes	3 / 4
Dimensional stability at elevated temperature	EN 438-2:17	Cumulative dimensional change % (max.)	Longitudinal	0,75
			Transversal	1,25
Resistance to wet heat (100 °C)	EN 438-2:18	Appearance, rating (min.)	Gloss/other finishes	3 / 4
Resistance to impact by small diameter ball	EN 438-2:20	Spring force, N (min.)		20
Resistance to scratching	EN 438-2:25	Force (min.)	Smooth/ Textured finishes	2 / 3
Resistance to staining	EN 438-2:26	Appearance, rating (min.)	Group 1e 2 /Group 3	5 / 4
Light fastness (xenon arc)	EN 438-2:27	Contrast	Grey scale rating	4 to 5
Density	EN ISO 1183-1	Density, g/cm ³ (min.)		2
Magnetic Intensity	Internal method	Magnetic force (min.)		7

SURFORMA® Magnetic is classified in accordance with EN 438 – Sheets based on thermosetting resins (Usually called Laminates) – Part 8: Classification and specifications for design laminates. The physical and mechanical properties vary depending on the substrate used. For more information about these properties, please refer to the corresponding Technical Data Sheet.

The use of SURFORMA® laminates can contribute to the achievement of up to 2 LEED claims:

- The product contains recycled materials and can contribute to obtain LEED credits under MR Credit 4.
- Depending on the location of the construction project, the product can meet the requirements for materials extracted and manufactured regionally and contribute to obtaining LEED credits under MR Credit 5.

The information given in this TDS is correct at the time of publication (0519 EN).

The Company reserves the right to change specifications at any time without prior notification.

CERTIFICATIONS

