

SURFORMA[®] Magnetic Laminates

High Pressure Magnetic Decorative Laminates

Distributor	Manufacturer
Tafisa Canada Inc 4660 Rue Villeneuve Lac-Mégantic, QC G6B 2C3 Canada	Sonae - Indústria de Revestimentos, S.A. Lugar do Espido, Via Norte 4470-177 Maia Portugal

Product 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.

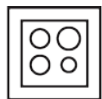
The foil incorporated under the surface is what gives the laminate its magnetic properties. SURFORMA[®] decorative laminates have a non-porous surface that does not promote bacterial growth. Tested according to the method ISO 22196:2011 and verification of the compliance with the Japanese criteria defined in JIS Z2801:2012 for antimicrobial activity and efficacy.

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 laminates can be written on with dry erase markers for whiteboards, making them an ideal choice for writing, drawing and displaying information.

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



KITCHENS



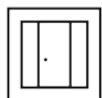
SPORTS &
LEISURE



OFFICES &
EDUCATION



RETAIL &
EXHIBITIONS



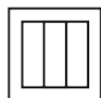
DOORS



RESTAURANTS &
HOTELS



HEALTH &
WELLNESS



FOR PANELING

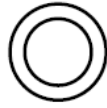
Properties



DURABILITY



SCRATCH
RESISTANT



LOW
EMISSIONS



TO WRITE ON
WITH DRY
ERASE MARKERS



ABRASION
RESISTANT



EASY TO CLEAN



STAIN
RESISTANT



ANTI-STATIC



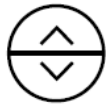
MAGNETIC



LIGHT
RESISTANT



DIMENSIONAL
STABILITY



VERSABILITY

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, additional product description labels are not necessary. They are cured materials and chemically inert.

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 of equal thickness on both sides. The most suitable adhesives are PVAc and UF. Always ask the guidance of glue manufacturers. On cutting process, the best results are achieved with fixed circular saws, with at least 60 teeth of 1,8 mm minimum thickness.

Caution: Magnetic laminates will generate sparks thus all dust collection equipment should be turned off to avoid a fire hazard. They cannot be trimmed like conventional laminates, as the cutters burn out very quickly due to the steel content of the laminate. For sizing, it is recommended that the laminate be bonded to a substrate and cut to size. The sawn edge can be smoothed with a metal file to remove any burrs.

General Features

PROPERTIES	TEST METHOD	UNIT (max or min)		Magnetic
Dimensional tolerance requirements (EN 438-2:2016, Clause n.º)				
Thickness	EN 438-2:5	mm (max. variation)	1,0 mm	± 0.15
Length and with	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 1 e 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.

Certifications

- Sonae - Indústria de Revestimentos, S.A is certified under the EN ISO 9001:2015 Quality Management System
- Sonae - Indústria de Revestimentos, S.A is certified under the EN ISO 14001:2004 Environmental Management System
- Sonae - Indústria de Revestimentos, S.A is certified under the OHSAS 18001:2007 Occupational Health and Safety Management System

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

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

