

INNOVUS HPL MAGNETIC

Magnetic Laminates

DESCRIPTION

Innovus Magnetic laminates according to EN 438 are an excellent material 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.

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

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

PROPERTIES



ANTIBACTERIAL



VERSABILITY



MAGNETIC



LOW EMISSIONS



FOR WRITING ON WITH CHALK / BOARD MARKER



EASY TO CLEAN



STAIN RESISTANT



SCRATCH RESISTANT



DURABILITY



DIMENSIONAL STABILITY



LIGHT RESISTANT



ANTI-STATIC



ABRASION RESISTANT

APPLICATIONS

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

Innovus Magnetic offers a wide variety of applications and uses in environments such as retail, education, commercial and residential



KITCHENS



SPORTS & LEISURE



OFFICES & EDUCATION



RETAIL & EXHIBITIONS



RESTAURANTS & HOTELS



HEALTH & WELLNESS



DOORS



FOR PANELING

RECOMMENDATIONS

The Innovus laminates should be properly stored to be protected from moisture, humidity and direct sunlight. The laminates should preferably be store face-to-face, flat in horizontal racks.

The Innovus laminates, with their durable, hygienic and waterproof surface, require no special maintenance. The 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. As Innovus laminates are classified as non-hazardous, it is not necessary additional product description labels. It is a cured material and is chemically inert. REACH classification does not apply to them.

Innovus HPL can be brought to control waste disposal sites according to current national and/or regional regulations.

PB and MDF are excellent substrates and should be at least 16mm thick. To avoid distortion in the sandwich panel, it is desirable 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 teethes of minimum thick of 1,8mm.

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GENERAL FEATURES

PROPERTIES	TEST METHOD	UNIT (max or min)	BTS
Dimensional tolerance requirements	(EN 438-2:2016, Clause n.º)		
Thickness	EN 438-2:5	mm (max. variation)	± 0.15 / ± 0.18
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 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 & 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

Innovus Magnetic is classified in accordance with EN 438 – Sheets based on thermosetting resins (Usually called Laminates) – Part 9: Classification and specifications for alternative core 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.

LEED™ CREDITS

- The use of Innovus 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.

CERTIFICATIONS

Please pay attention to certified products:



The mark of responsible forestry
FSC® C013589



Promoting Sustainable Forest Management
www.pefc.org



FSC® and PEFC™ -certified products are available on request and availability.

www.sonaearauco.com

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