

TECHNICAL DATA SHEET

MAGNOLIA

Revision: 27/07/2018

Version: 1.0/EN

DESCRIPTION

Magnolia is a new modular system thought to create unique spaces by dressing your walls in 3D, where beauty and resistance are linked to create unique spaces. Magnolia panels are the result of the combination of thermosetting resin laminates with fiber glass and mineral fillers, with a polyurethane core and a paper layer. Magnolia is presented in an ample variety of shapes and designs inspired in nature. The design has been specially considered to ease installation and achieve an elegant and durable result.

TECHNICAL SPECIFICATIONS

Weight	6-8 kg/m ²
Thickness	Variable (depends on the configuration)
Dimensions	0,7m ²
Longitudinal flexural resistance (Java model)	7679 KPa
Transversal flexural resistance (Java model)	9647 KPa
Hard and soft body resistance	Category I (very high)
Wind resistance	Correct up to 1000Pa (fixture failure)
Exterior use	Adequate
Artificial ageing (UV+condensation)	
Colour change	Not visible
Specular gloss change	Not visible
Flexural properties reduction	≈ 5%
Impact resistance change	< 5%
Adherence of the coating	Not altered
Artificial ageing (75°C - 12 weeks)	
Longitudinal flexural resistance reduction	≈ 5%
Transversal flexural resistance reduction	≈ 10%
Adherence of the coating	Not altered

Comparison of the thermoset laminate (providing main mechanical properties to Magnolia panels) with other materials.

		MSD Magnolia	Comparison to other aterials		
			Wood	Aluminium	Steel
Flexural resistance	Kg/mm²	80-130	5-20	15-70	25-80
Impact resistance	J/m2	30000-45000	5000-50000	10000 Deformación	150000 Deformación
Exterior resistance	change	≈ 5%	↓	↑	↑
Thermal dilatation	10⁻⁶ °C⁻¹	50-70	4-10	220-260	100-120

Properties stated in the previous tables show that Magnolia panels from MSD PANELS represent the ideal solution for decorative dressing. Panels are light weighted, easy to handle and with good mechanical properties, comparable to those of other materials. Magnolia panels are also suitable for exterior use not suffering important alterations with temperature or outdoor exposure.

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APPLICATION

Decorative panels for indoor and outdoor use. They can be applied to any structurally hard surface (for instance a wall or ceiling). Easy and quick installation due to their light weight and design. Panels can be installed adhering them directly or by means of simple mounting fixtures.

Installation of Magnolia Panels:



1. SURFACE LEVELLING

Make sure that the Surface to dress is firm, flat and clean of any other component that may affect the adhesive. Level the panels with the floor to ascertain that they are correctly mounted.



2. ADHESIVE / FIXTURE

- Apply the adhesive in the back of the panel
- Use the mounting fixtures provided on request.



3. INSTALLATION

- Mount the panel in the Wall and press for some seconds until it is correctly fixed.
- mount the panel.

PRESENTATION AND STORAGE

Magnolia Panels are presented in an ample variety of shapes and design for walls and ceilings. The storage should ideally be performed in areas where the temperature is below 40°C.

GENERAL ISSUES

- Decorative panels for both interior and exterior use. They can be applied to any structurally solid Surface.
- 10 years guarantee.
- MAGNOLIA panels can be personalized applied a coating or to obtain even better finishes imitating any texture our water-printing service can be used.

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