

TECHNICAL DATA SHEET

MSD Panels Fireproof

Revision: 28-11-2012

Version: 1.0/EN

DESCRIPTION

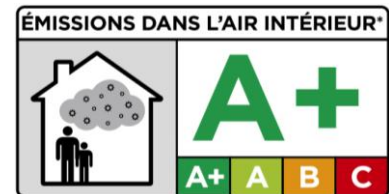
High quality fire resistant decorative panels solution for walls and ceilings. The panels are the result of a laminate of polyester resins and fibreglass with a variety of shapes and designs representing with great accuracy appearance, colour and texture of natural materials chosen as model. The design has been especially considered to make them easily installable and get a durable and elegant finish.

TECHNICAL SPECIFICATIONS

Weight:	5-7 Kg/m ²
Thickness:	4-6 mm
Dimensions:	3,0-4,5 m ²
Fire-resistance classification	Euroclass B-s3, d0 (TECNALIA)

VOCs:

Classification A+ (France)
In accordance with AgBB criteria



		MSD Panels	Comparison with other materials		
			Wood	Aluminium	Steel
Impact resistance	J/m ²	29000	5000-50000	10000 Deformation	150000 Deformation
Aging, weathering resistance (45°C)	Losses in Properties	< 5%	↓	↑	↑
Freezing resistance		< 5%	↓	↑	↑
Thermal dilatation	10 ⁻⁶ °C ⁻¹	30-50	4-10	220-260	100-120
Barcol hardness		42-54	↓	↓	↑
Flexion resistance	Kg/mm ²	50-110	5-20	15-70	25-80
Shear strength on polyester	Kg/mm ²	2850	40-80	1800	3500

The properties described in previous tables make MSD PANELS the ideal solution for decorative covering. Panels are lightweight and easy to handle. They exhibit balanced mechanical properties when compared to other materials and do not suffer significant variations with temperature or when exposed to weathering.

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APPLICATION

Panels for interior and exterior decorative applications. They can be applied to any structurally sound surface (eg a wall). Due to its lightweight and flexible construction, installation is easily completed in a minimum time. Panels are installed screwing them directly on the surface (if this does not exist they are screwed on a created structure). A combination of filler (MSD Mastic) and paint serves to seal and finish the joints.

PRESENTATION AND STORAGE

MSD Panels are presented in a wide range of shapes and designs for walls and ceilings. The storage is ideally performed in areas with a temperature not exceeding 40 ° C.

OBSERVATIONS

- MSD Panels are strong and durable and are resistant to water, erosion, fire and UV radiation
- Factory warranty of 10 years. Its production and design are accredited to ISO9001 Quality standard.
- Accurate colours obtained through a combination of mineral pigments, which are printed within the material itself to yield long lasting colours for both interior and exterior decoration. If discoloration occurs panels can be repainted.
- MSD Panels require virtually no maintenance. Clean with a cloth or a brush with a soapy solution. Do not use solvents or corrosive products.
- Accidental damages in the product can be repaired using mastic (MSD Mastic) and painting.

The information contained in this data sheet is based on laboratory tests and practical use under controlled conditions, in addition to our best knowledge on the subject, as well as other sources and technical knowledge. The information is provided for informational purposes and cannot guarantee the accuracy or completeness of the information. It is the responsibility of the user to verify that the information is current and fits the intended purpose. The technical data contained in this data sheet are average values and may vary slightly between batches

The product safety data sheet and relevant information presented on the label must be respected. The methodology and working conditions of the users of this product are beyond our knowledge and control. Being always the responsibility of the end user to take the measures necessary to conform to legislative requirements regarding handling, storage, use and disposal of these products.

This information may be amended in whole or in part at any time, without previous notice and without liability on our part.