

SONAEPAN MR

Medium density fibreboard
(MDF), moisture resistant

DESCRIPTION

Sonaepan MR is a moisture resistance MDF indicated for applications in humid conditions (EN 622 type H), easy to mill and with low formaldehyde emission E1 class. Regarding reaction to fire and according to EN 13986, Sonaepan MR with a thickness $\geq 9\text{mm}$ is classified as D-s2, d0 (Euroclasse definition by EN 13501-1).

In addition to technical performance, Sonaepan panels are sustainable and environmental products.

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

PROPERTIES



VERSATILITY



EASY TO MILL



DIMENSIONAL
STABILITY



MOISTURE
RESISTANT

APPLICATIONS

Sonaepan MR is particularly suited for non-structural applications in humid conditions (service class 2). Due to the wood fibres and special resins used in its production, the product presents a very good dimensional stability and low swelling, indicated for interior design and furniture manufacturing.

The density of surfaces also gives the possibility of using a wide range of finishing techniques: lacquering, coating, veneering, foil wrapping and covering. Ideal for manufacturing kitchen and bathroom furniture, doors and windows sills and other interior applications when is expected higher levels of humidity.



KITCHENS



BATHROOMS



RESTAURANTS &
HOTELS



HEALTH &
WELLNESS



DOORS

RECOMMENDATIONS

Boards must be stacked on a hard, level surface and protected from direct contact with water. Pigments added during production of this product in exceptional cases may interfere with certain types of adhesives and lacquers, should therefore conduct a test before you apply them. Expansion and contraction in wood products is directly related to moisture content and must be considered during design and construction. Wood based panels are biodegradable and can be recycled, follow local regulation for the disposal of residues.

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)				
			2.5	> 2.5 - 4	> 4 - 6	> 6 - 9	> 9 - 12
Tolerances on nominal dimensions							
Thickness	EN 324-1	mm	± 0.2	± 0.2	± 0.2	± 0.2	± 0.2
Length and width	EN 324-1	mm/m	± 2 (max 5 mm)	± 2 (max 5 mm)	± 2 (max 5 mm)	± 2 (max 5 mm)	± 2 (max 5 mm)
Squareness	EN 324-2	mm/m	2	2	2	2	2
Moisture content	EN 322	%	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11
Density variation within the board	EN 323	%	± 7	± 7	± 7	± 7	± 7

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)				
			2.5	> 2.5 - 4	> 4 - 6	> 6 - 9	> 9 - 12
Density*	EN 323	Kg/m ³	860 ± 30	840 ± 30	820 ± 30	780 ± 30	770 ± 30
Swelling (24 hours)	EN 317	%	35	30	18	12	10
Internal bond	EN 319	N/mm ²	0.70	0.70	0.70	0.80	0.80
Bending strength	EN 310	N/mm ²	27	27	27	27	26
Modulus of elasticity	EN 310	N/mm ²	2700	2700	2700	2700	2500
Internal bond after cyclic test	EN 321	N/mm ²	0.35	0.35	0.35	0.30	0.25
Swelling after cyclic test	EN 321	%	50	40	25	19	16

* Should be used only as a reference.

Sonaepan MR boards meet the specifications of EN 622, type MDF-H, and are CE marked. For more information regarding the technical properties check the Product Declaration of Performance (DoP).

Sonaepan MR panels can contribute to as many as 3 LEED credits:

- Depending on the building project location, the product can fulfil the requirements for regional extracted and manufactured materials and contribute to achieve LEED credits within MR credit 5.
- The plant where material is produced have a Chain of Custody (CoC) in accordance with the principles and criteria of the Forest Stewardship Council (FSC®). The product can be supplied certified with the FSC® claim "FSC® Mix Credit" and Controlled Wood (CW), and also contribute to achieve LEED credits within MR credit 7.

ALSO AVAILABLE IN



The mark of
responsible forestry
FSC® C013589



CERTIFICATIONS