

CORE & TECHNICAL

Products

MDF BASIC LOW SWELLING

Medium density fiberboard with improved swelling properties for basic applications in dry conditions

DESCRIPTION

Sonae Arauco MDF BASIC LOW SWELLING is a medium density fibreboard easy to mill, for non-structural interior applications and presents good behaviour in humid environments, with dimensional expansion and swelling inferior to the standard.

Regarding reaction to fire and according to EN 13986, MDF BASIC LOW SWELLING, with a thickness ≥ 9 mm and a minimum density of 600 Kg/m³, is classified as D-s2, d0 (Euroclasses definition by EN 13501-1).

In addition to technical performance MDF BASIC LOW SWELLING panels are sustainable and environmental friendly products.

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

PROPERTIES



VERSATILITY



EASY TO MILL



IMPROVED DIMENSIONAL STABILITY



COMPLIANT WITH CHEMVERBOTS

APPLICATIONS

MDF BASIC LOW SWELLING is recommended for the manufacture of frames and profiles for furniture, doors and carpentry of civil construction, with requirements referring to product dimensional stability.

Due to the wood fibers used in its production, the product presents homogeneous faces, which makes it particularly suitable for surfacing, besides providing good dimensional stability and the possibility of being easily machined.



KITCHENS



BATHROOMS



OFFICES & EDUCATION



RESTAURANTS & HOTELS



HEALTH & WELLNESS



RETAIL & EXHIBITIONS



DOORS



PANELING

RECOMMENDATIONS

Boards must be stacked on a hard, level surface and protected from direct contact with water. Expansion and contraction in wood products is directly related to moisture content and must be considered during design and construction.

Pigments added during manufacturing of this product in exceptional cases may interfere with certain types of adhesives, a test before you apply them should therefore be conducted.

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)				
			>6 - 9	>9 - 12	>12 - 19	>19 - 30	>30 - 40
Tolerance on thickness	EN 324-1	mm	± 0,2	± 0,2	± 0,2	± 0,3	± 0,3
Tolerance on length and width	EN 324-1	mm/m	± 2	± 2	± 2	± 2	± 2
Edge straightness tolerance	EN 324-2	mm/m	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 7	± 7	± 7	± 7	± 7
Moisture content	EN 322	%	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)				
			>6 - 9	>9 - 12	>12 - 19	>19 - 30	>30 - 40
Density*	EN 323	Kg/m ³	750	740	720	720	720
Bending strength	EN 310	N/mm ²	≥ 32	≥ 30	≥ 28	≥ 26	≥ 19
Modulus of elasticity	EN 310	N/mm ²	≥ 3200	≥ 3000	≥ 2800	≥ 2600	≥ 2200
Internal bond	EN 319	N/mm ²	≥ 0,60	≥ 0,55	≥ 0,50	≥ 0,50	≥ 0,45
Thickness swelling 24 hours	EN 317	%	≤ 18	≤ 16	≤ 14	≤ 12	≤ 11
Formaldehyde emission class			E1**				

* Value to be used only as a reference

** Compliant with limit of ChemVerbotsV (E05)

MDF BASIC LOW SWELLING boards meet the specifications of EN 622-5, type L-MDF, and are CE marked. For more information regarding the technical properties check the Product Declaration of Performance (DoP).

CERTIFICATIONS

Please pay attention to certified products:



The mark of
responsible forestry
FSC® C009049



Promoting
Sustainable Forest
Management
PEFC™
PEFC/04-32-0767 www.pefc.org



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

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