

Standard MDF Specifications



Product Information

Produced in Brazil, Medium Density Fiberboard (MDF) is an engineered wood product formed from both hardwood and softwood fibers through the application of high temperature and pressure. Because small wood fibers are used in the manufacturing of this product, MDF is free of voids and demonstrates no visible wood grain, rings, or knots. Standard MDF is stronger in comparison to particleboard and allows for deep, detailed profiling.

Applications

With its smooth and even surface, as well as the ease in which it machines and paints, MDF is a popular lay-up panel and is most commonly used in the manufacturing of cabinets, furniture, drawer and furniture bottoms, shelving, interior doors and door frames, mouldings and trim, decorative and craft projects.



Origin	Species	Size	Thickness	Glue Type
Brazil	MDF	4'x8', 4'x10'	3mm, 4.5mm, 5.2mm, 5.5mm, 1/4", 1/2", 3/8", 5/8", 3/4"	Interior, TSCA Title VI / EPA (Carb)

Property	Testing Method	Unit	Thickness (3mm)	Thickness (5.2mm)	Unit	Thickness (1/4")	Thickness (1/2")	Thickness (5/8")	Thickness (3/4")
Sheets Per Crate			300	168		138	72	55	47
Thickness	EN 324 ANSI A208.2	mm	± 0.3mm	± 0.3mm	Inch	± 0.005	± 0.005	± 0.005	± 0.005
Density (7% tolerance)	EN 324 ANSI A208.2	Kg/m ³	>800	>800	LB/Ft ³	46-54	42-47	42-47	42-47
Internal Bond (IB) Average	EN 324 ANSI A208.2	N/mm ²	>0.65	>0.65	PSI	110-131	102-131	102-131	102-131
Bending Strength (MOR)	EN 324 ANSI A208.2	N/mm ²	>23	>23	PSI	4.300-6.500	4.000-5.300	4.000-5.300	4.000-5.300
Modulus of Elasticity (MOE)	EN 324 ANSI A208.2	N/mm ²	>2.700	>2.700	PSI	290.000-435.000	348.000-435.000	348.000-435.000	348.000-435.000
Thickness Swelling	EN 324 ANSI A208.2	%	<35	<35	%	<22	<10	<10	<10
Moisture Content	EN 324 ANSI A208.2	%	4-8	4-8	%	4-11	4-11	4-11	4-11
Face Screw	EN 324 ANSI A208.2	N			LB		>236	>236	>236
Edge Screw	EN 324 ANSI A208.2	N			LB		>191	>191	>191
Length, Width and Squareness Tolerances		mm/m	± 2	± 2	LB		± 0.08	± 0.08	± 0.08

Based on availability, USply reserves the right to substitute product that may vary in species, core, country of origin, and/or other specifications.

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