



Navurban™ MR MDF

Technical Data Sheet

Navurban™ MR MDF is a moisture resistant medium density fibreboard, E0 substrate bonded with a non PVC olefin decorative surface film. Suitable for use in wet areas and humid zones.

Applications

Designed for interior applications, Navurban™ is ideal for use in kitchen, bathroom and laundry cabinetry, doors, wall paneling, furniture, reception desks and commercial joinery.

Navurban's™ embossed, low gloss finish is available in a range of fine or heavily textured woodgrains, smooth finishes, cross-grain, rough sawn, vertical or horizontal grains.

Substrate Properties

Typical physical properties when tested to AS/NZS 1859.2

Property	Unit	Thickness	
		18mm	25-33mm
Density	kg/m ³	730	710
Internal Bond	Mpa	0.90	0.70
Modulus of Rupture (MOR)	Mpa	43.0	38.5
Modulus of Elasticity (MOE)	Mpa	3600	3400
Screw Holding Edge	N	1600	1600
Screw Holding Face	N	1000	1000
Thickness Swell (24hr)	%	<4	<4

Emissions Test

Tested for organic emissions to ASTM D5116.
Result: Total VOC emission rate <0.005mg/m²/hr
Formaldehyde emission rate 0.017mg/m²/hr

Sheet Sizes, Thicknesses & Finishes

For sheet sizes, thicknesses, edging and surface finish options, refer Navurban™ Availability Chart.

Certification

Navurban™ MR MDF is manufactured with an E0, low VOC substrate and is Ecospecifier Global GreenTag™ certified to level B. Navurban™ MR MDF has also achieved Australian Forestry Standard Programme for Endorsement of Forest Certification Schemes (AFS/PEFC) Chain of Custody (CoC). Timber is sourced from sustainably managed forests. Navurban™ MR MDF can contribute to Green Star® points.



Fire Tests

Tested for smoke and heat release rates to AS/NZS 3837.
Result: Group 2. Average specific extinction area = 145.2m²/kg

Resistance to Wear

Tested for abrasion resistance to AS 15080 Method 403.2.
Result: Average mass loss = 24mg

UV Test Resistance

Tested for exposure in indoor applications to ASTM D4459.
Result: Not adversely affected after 1000 hours.

Light Reflectance Value (LRV)

Tested to AS 1428.1. Results available on request.

