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# 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, matt finish is available in a range of fine or heavily textured woodgrains, smooth finishes or vertical grains.

### Substrate Properties

Typical physical properties when tested to AS/NZS 1859.2

Property	Unit	Thickness	
		18mm	25-33mm
Density	kg/m <sup>3</sup>	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/m<sup>2</sup>/hr  
Formaldehyde emission rate 0.017mg/m<sup>2</sup>/hr

### 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.

### Sheet Sizes, Thicknesses & Finishes

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



### Fire Tests

MR MDF tested to AS/NZS 1530.3.  
Results typically achieved:

Indices	Result	Range
Ignitability	14	0-20
Spread of Flame	8	0-10
Heat Evolved	7	0-10
Smoke Developed	4	0-10

Navurban™ Fire Rated (FR) is available on request, to achieve a Group 2 Fire Rating. Tested for smoke and heat release rates to AS/NZS 3837. Result: Group 2. Average specific extinction area = 145.2m<sup>2</sup>/kg

### 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.

