

NAVURBAN™

NAVURBAN™ is an engineered timber look product created using Japanese non-PVC Olefin surface technology and 3D-embossing. Pre-finished in Japan and manufactured in Australia with matching ABS edging, NAVURBAN™ typically supplied pressed on to MR MDF.

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™ is embossed, with a matt finish that is available in a range of fine or smooth woodgrain finishes.

MR MDF Substrate Properties

Navurban™ MR MDF is a moisture resistant medium density fibreboard, E0 substrate bonded with a non PVC olefin decorative surface film.

Typical physical properties when tested to AS/NZS 1859.2

Property	Thickness		
	Unit	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.
MR MDF Result: Total VOC emission rate <0.005mg/m²/hr
Formaldehyde emission rate 0.017mg/m²/hr

Film Result: Total VOC emission rate 0.014mg/m²/hr
Formaldehyde emission rate <0.007mg/m²/hr

Resistance to Wear

Tested for resistance to scratching to AS 2924.2-1998
Result: Wear Resistance = 1700 Revolutions

Tested for scratch resistance to AS 2924.2-1998.
Result: when scratched across grain indent light mark = 0.75(kgf)
Result: when scratched with grain indent light mark = 0.75(kgf)

UV Test Resistance

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

Light Reflectance Value (LRV)

All decors have been tested individually to AS 1428.1 and reports available on request.
Testing is also compliant with AS/NZS 1428.1-2009.

Sheet Sizes, Thicknesses & Finishes

For sheet sizes, thicknesses, edging and surface finish options, refer to the NAVURBAN™ Specification Data, Availability & Pricing document.

Fire Tests

Comprehensive results available on request.

NAVURBAN™ MR MDF is tested in accordance with AS/NZS 3837-1998 Method of test for heat and smoke release. Alternate substrates are available upon request.

Results typically achieved:

Indices	Unit	Test 1	Test 2	Test 3	Mean
Time to sustained flame	Sec	35	32	35	34
Average heat release rate	kW/m ²	73.2	67.9	77.1	72.7
Mass Loss	kg/m ²	13.6	13.9	13.8	13.8

The following sample classifications were obtained:

Group Number Assessment in accordance with AS 5637.1-2015

Group Number = Group 3

Average specific extinction area = 19.9 m²/kg

Stain Resistance

NAVURBAN™ MR MDF is tested in accordance with AS/NZS 2924-1998.

Results typically achieved:

Staining Agent	Rating
100% Acetone	5
Black Coffee	5
25% Sodium Hydroxide	5
30% Hydrogen Peroxide	5
Black Shoe Polish	5
10% Citric Acid	5
Spray and Wipe	5
Windex	5
Dettol Wipes	5
Jif	5

The results of the Stain Resistance AS/NZS 2924-1998.

test indicated no visible change was seen in reaction to any of the staining agents.

PEFC Certification

All NAVURBAN™ products are PEFC (program for endorsement of forest certification) certified providing reassurance that our product is sourced responsibly and sustainably.

Global Greentag™

NAVURBAN™ MR MDF is manufactured with an E0, low VOC substrate and is Ecospecifier Global GreenTag™ certified to level B. Navurban™ MR MDF can contribute to Green Star® points.

Disclaimer

This technical data sheet is provided by New Age Veneers as a general guideline. It is the responsibility of the installer to conduct appropriate testing and ensure suitability of materials and methods for each specific application.