

# MODULO PANEL

by screenwood

## Technical Data Sheet

## Modulo Panel Group 2 FR MDF

Modulo Panel is manufactured from an FR MDF (fire retardant medium density fibreboard) bonded with Navurban™ non-PVC olefin decorative surface film.

### Applications

Designed for interior applications, Modulo Panel is ideal for use in wall and ceiling lining applications in commercial, retail, education, hospitality and residential projects.

### Substrate Properties

Typical physical properties when tested to AS/NZS 1859.2

Property	Thickness		
	Unit	18mm	25-33mm
Density	kg / m <sup>3</sup>	730	710
Internal Bond	Mpa	0.90	0.70
Modules of Rupture (MOR)	Mpa	43.0	38.5
Modules 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 D5116-2017.

Result: Total VOC emission rate: 0.008 mg/m<sup>2</sup>/hr. Formaldehyde emission rate: 0.091 mg/m<sup>2</sup>/hr.

### Resistance to Wear

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

### UV Test Resistance

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

### Light Reflectance Value (LRV)

Navurban™ tested to AS 1428.1. Results available on request.

### Panel Sizes, Thickness & Finishes

For panel sizes, thicknesses and surface finish option, refer Modulo Panel website or brochure.

### Fire Tests

To come.

### Certification

Modulo FR MDF panels are manufactured with a low VOC substrate and is under assessment for Global Greentag™ certified to level A. Modulo Panels are also manufactured from PEFC certified MDF. Timber is sourced from sustainably managed forests.



Finishes by

**NAV** DESIGNER SURFACES

**Modulo Panel**

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# MODULO PANEL

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## Technical Data Sheet

## Modulo Panel Group 3 MR E0 MDF

Modulo Panel is manufactured from an E0 MDF (moisture resistant medium density fibreboard) bonded with Navurban™ non-PVC olefin decorative surface film.

### Applications

Designed for interior applications, Modulo Panel is ideal for use in wall and ceiling lining applications in commercial, retail, education, hospitality and residential projects.

### Substrate Properties

Typical physical properties when tested to AS/NZS 1859.2

Property	Thickness		
	Unit	18mm	25-33mm
Density	kg / m <sup>3</sup>	730	710
Internal Bond	Mpa	0.90	0.70
Modules of Rupture (MOR)	Mpa	43.0	38.5
Modules 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 D5116-2017.

Result: Total VOC emission rate: 0.016 mg/m<sup>2</sup>/hr. Formaldehyde emission rate: 0.059 mg/m<sup>2</sup>/hr.

### Resistance to Wear

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

### UV Test Resistance

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

### Light Reflectance Value (LRV)

Navurban™ tested to AS 1428.1. Results available on request.

### Panel Sizes, Thickness & Finishes

For panel sizes, thicknesses and surface finish option, refer Modulo Panel website or brochure.

### Fire Tests

Group 3 MR tested to AS5637.1

### Certification

Modulo MR MDF panels are manufactured with aa E0, low VOC substrate and is under assessment for Global Greentag™ certified to level A. Modulo Panels are also manufactured from PEFC certified MDF. Timber is sourced from sustainably managed forests.



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