

NAVURBAN DIAMOND™

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

Applications

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

Navurban Diamond™'s embossed, matt finish is available in a range of fine or smooth woodgrain finishes.

Substrate Properties

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.

Result: Total VOC emission rate <0.005mg/m²/hr Formaldehyde emission rate 0.017mg/m²/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 Diamond™ Availability Chart.

Fire Tests

Navurban Diamond™ Fire Rated (FR) is available on request, to achieve a Group 3 Fire Rating. Tested for smoke and heat release rates to AS/NZS 5637.

Observations

The specimen reached flashover at approximately 325s after the commencement of the test.

National Construction Code – Volume One – Building Code of Australia 2019

The New Age Veneers product being Navurban Diamond™ complies with the following Deemed-to- Satisfy Provision:

- Performance Requirement CP2 and CP4 · Clause C1.10
- Sub-clause (a)(ii) wall linings and ceiling linings that comply with Specification C1.10 Clause 4

The following sample classifications were obtained:

Group Number: Group 3

Smoke growth rate index: 1316.48 (m²/s² x 1000)

(Refer to Specification C1.10 section 4 of the Building Code of Australia.)

Certification

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

