

NAVURBAN™ DIAMOND LAMINATE

Navurban™ Diamond Laminate is a non PVC olefin decorative surface film.

Applications

Navurban™ Diamond Laminate is designed for curved applications only.

Navurban™ Diamond Laminate’s embossed, matt finish is available in a range of woodgrain finishes.

Composition/ information on ingredients

Contains : Paper, Thermosetting Phenolic and Melamine resins.

Physical and Chemical Properties

Thickness Range	0.5-1.5mm
Form	Solid
Colour	Dark Brown
Odour	Odourless

Data Relevant for safety

	Value	Temp. at	Remarks
a) Flash Point	>240°C	-	-
b) Auto-ignition	No	-	-
c) Density	1.35-1.42	20°C	-
d) Solubility	-	-	Insoluble

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 and surface finish options, refer Navurban™ Laminate Availability Chart.

Fire Tests

Navurban™ Diamond Laminate tested to AS/NZS 1530.3. Results typically achieved:

Indices	Result
Average Heat Release Rate	71.6 kWm2
Average Specific Extinction Rate	59.9 M2/KG
Irradiance	50 kWm2
Exhaust Flow Rate	0.024 m3/S
Time to Sustained flaming	29 sec
Test Duration	316 sec
Peak Heat Release After Ignition	384.9 kWm2
Average Heat at 60 s	228.5 kWm2
Average Heat at 180 s	103.3 kWm2
Average Heat at 300 s	n/a kWm2

Indices	Result
Test Heat Released	20.4 MJ/m2
Average Effective Heat of Combustion	9.9 MJ/kg
Initial Thickness	6.7 mm
Initial Mass	99.9 g
Mass Remaining	83.3 g
Mass Percentage Pyrolysed	16.7 %
Mass Loss	2.1kg/m2
Average Rate of Mass Loss	7.2g/m2

Navurban™ Diamond Laminate 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. Result: Group 3.

Test Results

The following sample classifications were obtained:

Group Number: Group 3

Testing was performed in accordance with AS/NZS 3837-1998 Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter.

Note: Navurban™ Diamond Laminate must not be used for edging purposes and will void warranty if chosen to do so.

A de-lamination will not be classified as a product fault if the product has first been intentionally picked at along any of the exposed edges, this will be classed as a purpose act and will void warranty on the product.