



01-2018

Navlam Sandblasted™ Technical Data Sheet

Navlam Sandblasted™ is a reconstructed veneer that offers consistency in woodgrain structure and tone. Available on an EO MR MDF substrate, Navlam veneers are finished with a 2-pac polyurethane coating. Each sheet is covered with a removable plastic film to protect the Navlam finish during manufacturing.

Applications

Designed for interior applications, Navlam Sandblasted™ is ideal for use in humid zones, kitchens, bathrooms, laundries, doors, wall paneling, furniture and commercial joinery.

Navlam Sandblasted™ is suitable for vertical installations and light use horizontal applications such as shelving. Navlam is not recommended for high wear horizontal surfaces such as kitchen benchtops.

Navlam Sandblasted's™ veneer surface is finished with high quality 2-pac polyurethane. As a pre-finished product it's ready for immediate fabrication.

Navlam's pre-finished surface contains a UV inhibitor to minimise discolouration caused by UV rays. To retain colour consistency Navlam is not recommended for interior applications with prolonged exposure to direct sunlight.

Substrate Properties

Typical physical properties when tested to AS/NZS 1859.2

Property	Thickness	
	Unit	18mm
Thickness Tolerance	mm	±0.3
Density	kg/m ³	730
Internal Bond	Mpa	0.90
Modulus of Rupture (MOR)	Mpa	43.0
Modulus of Elasticity (MOE)	Mpa	3600
Screw Holding Edge	N	1600
Screw Holding Face	N	1000
Thickness Swell (24hr)	%	<4
(Method A) Wet Bending Strength	Mpa	9.7



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

Navlam™ 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 = 58.3m²/kg



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Moisture Resistance

Navlam Sandblasted™ MR MDF substrate complies with moisture resistance properties as specified in AS/NZS 1859.2. For details refer to Substrate Properties table.

Product Options

Navlam Sandblasted™ pre-finished veneers are available in the following options:

A finished EO MR MDF panel (19mm finished thickness) with other thicknesses available on request.

Sheet Sizes:

- 2400 x 1200mm G1S (sandblasted front face with a white backing) OR G2S (sandblasted both sides)
- 3000 x 1200mm G1S or G2S

Matching ABS edging in 1.0mm and 2.0mm thicknesses. Edging is available in a range of widths; 22mm, 38mm & 54mm. Refer Navlam Sandblasted™ Availability Chart for details.

Colour Consistency

Although Navlam Sandblasted™ is a reconstructed timber veneer it holds similar characteristics to natural timbers. It is not possible to guarantee complete colour consistency between production batches. As a result, slight colour variations between Navlam panels cannot be considered a defect.

Sandblasted Grain

In Australia, the practice is to specify veneered panel dimensions as "length x width x thickness".

The "length" dimension identifies direction of the veneer's grain, i.e. on 2400 x 1200mm sheets the veneer grain runs the 2400mm length of the panel. This is referred to as long band. All Navlam Sandblasted™ pre-finished veneers are long band.

Certification

Navlam Sandblasted™ MR MDF is manufactured with an EO, low VOC substrate.

Timbers selected for Navlam veneers are sourced from sustainably managed forests and poplar plantations. A range of Navlam Sandblasted™ products have achieved FSC® chain of custody certification and can contribute to Green Star® points.



The mark of responsible forestry



Exposure to Sunlight

Navlam Sandblasted™ laminates are reconstructed from natural timbers and will react to direct and indirect sunlight. The pre-finished surface contains a UV inhibitor that offers some protection against discolouration, but like all natural products, colour variation will occur over time.

Prolonged exposure to direct light may cause timber veneers to undergo sudden and irregular colour change.

Discolouration caused by exposure to sunlight and ultraviolet rays cannot be considered a material defect.

Storage

All care must be taken when handling Navlam Sandblasted™ panels. To avoid exposure to the elements, we recommend Navlam Sandblasted™ sheets are stored in a suitable enclosed environment prior to installation.

For further technical information please refer to our website newageveneers.com.au.