Technical Data Sheet

NAVENEER™

DESIGNER SURFACES

The Naveneer™ collection is a reconstructed veneer that offers consistency in woodgrain structure and tone. Available on an E0 MR MDF substrate Naveneer™ is an unfinished veneer for you to decide the selected gloss level finish.

Applications

Designed for interior applications, the consistency of colour and woodgrain makes Naveneer™ ideal for large or small installations. Perfect for residential or commercial applications such as doors, wall paneling, furniture, acoustic paneling and commercial joinery.

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

Naveneer™ is constructed from natural timbers. To retain colour consistency Naveneer™ is not recommended for interior installations with prolonged exposure to direct sunlight.

Naveneer™ is available in a range of colours, grain structures and unique designs, refer Naveneer™ Availability Chart for more details.

Product Category

Naveneer™ is a real natural wood made from ayous, poplar and other species, stained with acid-based dyed in water solution and reconstituted using ureic resins conforming to current international regulations, according to standard ISO 18775

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

Moisture Resistance

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

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

Result: Group 3

Certification

Naveneer™ MR MDF is manufactured with an E0, low VOC substrate.

Timbers selected for Naveneer™ is sourced from sustainably managed forests and poplar plantations. Naveneer™ is certified for PEFC Controlled Sources claim.

Formaldehyde Emissions

The formaldehyde emissions of Naveneer™ conform to current Class E1 'low emission' regulations.

Product Options

Naveneer™ is available pressed onto any E0 MDF substrate thickness.

Sheet Sizes:

- 3000 x 1200mm G1S (veneer on front face & bamo on back) OR G2S (veneer on both sides)

Naveneer™ edging in 0.6mm thickness, available in 22mm and 38mm widths.

Colour Consistency

Although Naveneer™ is a reconstructed timber veneer it retains similar colour and grain characteristics to natural timbers.

Subtle grain differences may be visible between block lots (of up to 1,100 veneer leaves). Colour variation of ±10% may be evident between block lots due to batch dyeing.

It is not possible to guarantee complete colour consistency between production blocks. As a result, slight colour variations between different Naveneer™ panels cannot be considered a defect.

Veneer Grain

Naveneer™ is available in vertical and horizontal grain direction.

Exposure to Sunlight

Naveneer™ is reconstructed from natural timbers and will react to direct and indirect sunlight.

We recommend finishing panels with BC Coatings ZILCH! finish.

Available in:

UT405 Zilch! Super Matte (0-5%)

UT410 – Matte 10%

UT430 – Satin 30%

UT450 – Semi-gloss 50%

Zilch! has been specially formulated for New Age Veneers and is a 2-pac polyurethane containing both a non- yellowing agent and UV inhibitor. A UV inhibitor 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 changes.

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

Storage

Store your unfinished Naveneer™ panels in an area protected from the elements to minimise rapid changes in temperature and humidity.

To avoid exposure to the elements, we recommend Naveneer™ sheets are stored in a suitable enclosed environment prior to installation and kept covered, away from direct and indirect sunlight.

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

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