



NAVAM SANDBLASTED LAMINATE FABRICATION DATA SHEET

Product

Navlam Sandblasted is a pre-finished genuine reconstructed wood veneer laminate with a natural matt clear polyurethane acrylic coating. The surface has a peel-off plastic film to protect it during transport and fabrication.

Storage

Navlam Sandblasted sheets should be stored:

- Horizontally, back to back, face to face, with the top sheet turned face down and a cover sheet placed on top to protect the material from possible damage and reduce the chance of warping of the top sheets.
- Protected from direct light, heat, and extremes of humid or arid conditions and should never be stored in contact with the floor or an outside wall.
- Optimum conditions for storage are approximately 22 degrees Celsius and 40 to 65% relative humidity.

Handling

- Always carry Navlam Sandblasted sheets vertically. Handle full size sheets carefully to avoid breakage or injury. It is recommended that two people carry full size sheets.
- Be careful in moving Navlam Sandblasted sheet so as not to strike them against anything which would damage the decorative surface or edges.
- Always lift Navlam Sandblasted sheet surfaced assembly from one point to another. Never slide the panel on its decorative surface.

Preconditioning

As with all wood products Navlam Sandblasted reacts to the ambient conditions. Navlam Sandblasted sheets and substrates gain moisture and expand under high relative humidity conditions and lose moisture and shrink under dry relative humidity conditions. Because of the grain structure of wood, there is a tremendous variance in the amount of movement between different wood products, and often within the individual products themselves. Products such as particleboard and MDF have a uniform matching and cross directional movement; while solid lumber and single direction bending plywood move tremendously in their cross grain direction and very little in their machine direction.

Allow the Navlam Sandblasted sheet and the substrate to acclimatise for at least 48 hours at the same ambient condition. Optimum conditions are approximately 22 degrees Celsius and at a relative humidity of 40 to 65%. Provisions should be made for the circulation of air around the components.

Stress Cracking

Stress cracking is caused by the concentration of stresses greater than the surfacing material can withstand. These stresses can be caused by external forces such as loading or impacts but are generally created by the normal dimensional movements of the Navlam Sandblasted assembly as it reacts to the surrounding environment. Navlam Sandblasted moves about twice as much across the grain (sanding direction) as it does in the length direction. Whenever possible minimize the dimension of the cross grain direction. Usually when drying conditions occur, stress cracking can result. When properly fabricated, Navlam Sandblasted surfaced assemblies should not stress crack when exposed to low humidity conditions. Note: Stress cracking can also result when high moisture material is glued and subsequently exposed to low humidity conditions.

However, overly dried material may lengthen and cause bubbling if improperly glued. As with all wood based products, Navlam Sandblasted surfacing material and substrates gain moisture and expand under moist conditions (high relative humidity) and lose moisture and shrink under dry conditions (low relative humidity).

Inside Corner Fabrication

Radius all inside corners as large as possible (5mm minimum). Inside corners required for sinks, grills, electrical outlets, etc must contain the stresses generated by the normal movement of the Navlam Sandblasted. Radiusing the cutouts greatly reduces the stresses. The radiused corner created by a 10mm diameter router bit is sufficient.

Substrate Selection

The recommended substrates for Navlam Sandblasted are industrial grade particleboard, MDF, HMR and MRMDF. Plywood is not generally recommended due to the movement in the board in particular bending ply. Do not apply Navlam Sandblasted to drywall (gypsum), plaster, concrete or solid timber.

Adhesives

The strength of the bond between Navlam Sandblasted and the substrate determines the amount of stress that may be transmitted to the substrate. Complete coverage of the adhesive is imperative since the material will not bridge adhesive gaps. Ideally it is best to buy the Navlam Sandblasted on board from our recommended panel layer rather than having to glue it down yourself.

New Age Veneers understands that from time to time it is not suitable to purchase products on a substrate. If the need arises to adhere the NAVLAM Sandblasted product to a surface or substrate yourself, New Age Veneers recommends that PVA glue is used. PVA is preferred since it dries clear, strong and results in a thinner glue line as opposed to contact adhesive.

It is understood that some may prefer to use contact adhesive. If using contact adhesive it is recommended that you gain correct technical application instructions from your adhesive supplier before use. If contact adhesive is not applied correctly, cracking and bubbling of the laminate may possibly result.

Peel Off Plastic Film

The film is ideally removed after onsite installation. Once this has been removed the acrylic polyurethane coating will take up to seven days to cure.

Product Matching

Navlam Sandblasted is made from real wood veneer. Consequently, slight colour and pattern variation may occur and does not indicate a product defect. Due to the nature of the product, exact colour matches cannot be guaranteed between different production runs. As with natural wood, exposure to direct sunlight can produce colour change. Any slight change in colour over time does not indicate a product defect.

Balancing Sheets

The best backing for Navlam Sandblasted panels is the Navlam Sandblasted product however other materials offer a suitable balance under proper conditions. In order to balance boards a 1.2mm White Laminate is available from New Age Veneers.

Cleaning and Maintenance

Silicone based products must be avoided. We suggest using a damp cloth with a mild detergent. For more stubborn stains use methylated spirits or ammonia.

Technical Specifications of Navlam Sandblasted

Data	Navlam Sandblasted
Sheet Sizes & Thickness	2500x1250x1mm and certain items 3050x1300x1mm (Refer to pricelist)
Weight per Sq.m	1.00mm = 1.2kg
Abrasive Resistance	>80 Taber turns
Radiant Heat Resistance	80 (min)
Dimensional Variation	0.4% Longitudinal 1.2% Transversal

Guarantee

New Age Veneers Pty Ltd guarantees the intrinsic quality of Navlam Sandblasted. Discolouration due to exposure to sunlight and ultraviolet rays cannot be considered a material defect. In the event of any dispute, the guarantee and liability of New Age Veneers Pty Ltd is limited to the replacement of any material shown to be defective. New Age Veneers Pty Ltd reserves the right to discontinue any designs or products without notice at any time.