

EXTERIOR

## AALTO EXTERIOR WB TIMBER STAIN

Guarantee is applicable on the use of a full Aalto system

### TYPICAL APPLICATION:

An environmentally friendly, VOC free, water based stain treatment for bare timber, which provides lasting water repellence and protection. Provides lasting protection against moisture penetration and mould/mildew growth. A premium silane/siloxane treatment, which penetrates and chemically bonds with timber, providing a hydrophobic matrix which prevents water penetration.

### PRODUCT FEATURES:

- + Enhances the grain of the timber
- + Decorative colourant for timber surfaces
- + Easy to apply
- + Caution should be taken with dressed timber or dense timber species. An application trail is strongly advisable. Aalto Exterior WB Timber Stain should not be applied to Totara or Matai timber.

This technology is a significant departure from traditional oil stain products which merely seal the surface, providing a physical barrier which slowly erodes away. Aalto Exterior WB Timber Stain forms strong chemical bonds with the timber fibres both at the surface, and beneath the surface, to provide a deep layer of protection against water ingress.

**COLOUR:** Available in a wide range of colours. Customised colour design available. Attempts to duplicate Aalto colours by eye or by electronic means may give the illusion of a match but in situ the resulting colours will lack the depth, subtlety and complexity of the original.

### PRODUCT DESCRIPTION:

Appearance when dry:	Matt finish. Soaks into timber
Pack size:	1, 4, 10 litre
Theoretical coverage:	Approximately 5-10m <sup>2</sup> /L. Coverage depends on surface profile and porosity. Note: Rough sawn timber will lower the coverage rate down to approx 5-8m <sup>2</sup> /L
Number of coats:	2 usually required, <b>Re-coat before the first coat is touch dry. (15 -20 Mins)</b> <b>Coating after this can lead to the second coat beading and not forming a continuous film.</b>

### APPLICATION:

Mixing:	Stir well before and during use. Check colour before use. No claim recognised after application.
Initial surface preparation:	Remove all sharp edges and prepare timber to desired finish before staining. The surface must be clean, dry and free of all resin, dust, dirt, grease and any other surface contaminants. Materials which are loose and flaky must be removed and feathered back to a sound surface. New timber should be stained before installation with one coat applied to both sides and ends of timber. Existing or previously coated surfaces must be water-blasted or chemical washed or washed down with a mild detergent solution then rinsed thoroughly with clean water. Mould should be treated with a proprietary mould kill solution until completely removed and sterilised, then wash to remove all traces of chemical. The substrate should be thoroughly checked before painting to ensure it is dry and that all potential sources of moisture entry have been eliminated. Work only when environmental conditions are within the recommended range.
Application note:	<ul style="list-style-type: none"> <li>- Always test Aalto Exterior WB Timber Stain colour with a full two coat application on an equivalent piece of timber before proceeding with the full application. Timbers with strong natural colouring can influence the shade of the coating, particularly where light shades are used.</li> <li>- Do not dilute with thinners. Work with the theoretical coverage rate to ensure consistent even application.</li> <li>- Aalto Exterior WB Timber Stain must be tinted. Available in a range of natural</li> </ul>

New timber:	timber colours if a natural look is desired. If possible reject timber with planing burrs, raised grain or knots. Remove any resin pockets, bark or gum streaks and sand any mill glaze to improve porosity. Prepare surfaces as outlined in initial surface preparation above. Stain front, back and cut ends of timber before installation with two coats of Aalto Exterior WB Timber Stain. <b>The second coat must be applied before the previous coat has dried, otherwise it will be repelled due to the hydrophobic nature of the product.</b> If timber is already in place apply Aalto Exterior WB Timber Stain liberally until surface is saturated. It is recommended that two coats be applied, the <b>second coat must be applied before the previous coat has dried, otherwise it will be repelled due to the hydrophobic nature of the product.</b>
Application note:	Aalto Exterior WB Timber Stain is best applied by coating 2 – 3 metres and then as soon as the first coat starts to dry, apply a second coat working from the start of the first coat then move on to the next area to be stained etc. The area being stained with the first coat will vary in size before having to start the second coat depending on the temperature at the time of application. Hot days will mean smaller area at a time as the stain will dry more quickly, cooler days will mean larger areas can be done at once.
Treated timber:	(LOSP or CCA) – must be allowed to dry out thoroughly, prior to application of product. In the case of LOSP treated timber, leave for several weeks to allow residual treatment solvent to evaporate. Apply as per new timber.
Weathered, exposed timber:	Refer to initial surface preparation above. Sand discoloured or weathered timber back to as-new appearance. After the degraded surface has been removed stain as new timber.
Previously stained timber:	Refer to initial surface preparation above. Completely remove existing stain before applying Aalto Exterior WB Timber Stain; it is not intended for application to sealed surfaces. When recoating Aalto Exterior WB Timber Stain with the same colour it can be applied directly over previous coating. If changing colour, completely remove existing colour then apply two coat of the new Aalto Exterior WB Timber Stain colour.
Maintenance requirements:	The coating should be regularly cleaned and inspected to evaluate when recoating is necessary. Test the surface to see if water is still being repelled if not apply one coat of Aalto Exterior WB Timber Stain. Exposed surfaces will require more maintenance – north faces will require recoating every 2-3 years in non demanding environments.

**APPLICATION DETAILS:**

Application temperature range:	10°C - 35°C do not apply if rain is imminent.
Methods:	<b>Brush, Cloth</b> Apply liberally with a good quality brush or soft cloth. Maintain a wet edge during application, to avoid lap marks. <b>Roll</b> , Use a 5-10mm nap Dacron roller. Maintain a wet edge during application, to avoid lap marks. <b>Spray</b> , Recommend an airless unit. Pressure 2,500psi max and a tip 515-619.
Thinners:	Do not thin.
Cleaning solvent:	Clean up in water. Use a small amount of detergent to aid clean up.

**DRYING CHARACTERISTICS:**

Touch dry:	15-30 minutes @ 20° C
Over-coating:	<b>Second coat must be applied before the first coat is touch dry. Coating after this can lead to the Second coat beading and not forming a continuous film.</b>

**HEALTH AND SAFETY:**

Special precautions:	<ul style="list-style-type: none"> <li>+ Keep out of reach of children.</li> <li>+ This material is not to be taken internally.</li> <li>+ Avoid contact with eyes and prolonged contact with skin.</li> <li>+ Ensure fresh air is available during application and drying.</li> <li>+ Do not eat, drink or smoke whilst using.</li> <li>+ Store in a cool well ventilated area indoors between 5°C - 20°C</li> <li>+ Seal container after use.</li> <li>+ Protect from freezing</li> <li>+ Dispose of empty container carefully.</li> <li>+ Do not dispose or paint in sewers or waterways.</li> </ul>
FIRST AID:	
If swallowed:	Give water to dilute. Do not induce vomiting. Get medical advice.
Eye contact:	Flush with running water immediately for at least 15 minutes. Get medical attention.
Inhalation	Leave hazard area, maintain breathing and get medical attention. Remove with soap and water.

This information is intended to give a fair description of the product and its capabilities under specific conditions and is correct at the time of printing. It does not constitute an offer by the manufacturers nor do they warrant or guarantee its accuracy of completeness in describing the performance or suitability of the product. The manufacturer's guarantee is only applicable to full Aalto systems and is limited to product replacement only and does not include surface preparation or application. Oct 2010