

**WBP**  
**INTERIOR/ EXTERIOR**

**PRODUCT DATA SHEET**

## **AALTO WATER BASED POLYURETHANE**

Guarantee is applicable on the use of a full Aalto system

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### **TYPICAL APPLICATION:**

A premium quality clear, non-yellowing water based polyurethane for finishing of timber floors and work surfaces, where stain resistance, abrasion resistance and durability are required. Ideal replacement for older solvent based floor coatings such as moisture cured polyurethanes. Aalto Water Based Polyurethane does not have strong solvent odours and can be safely applied without having to vacate or ventilate painted areas. Quick drying, Aalto Water Based Polyurethane can have 2 coats applied in a day and can be walked on without shoes in 3 hours.

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### **PRODUCT FEATURES:**

- + Clear, non-yellowing finish
- + Quick drying, low odour
- + Durable with good abrasion resistance
- + Protects surfaces against alcohol, water and most household chemicals
- + Easily cleanable
- + Hardener can be added for further Durability.

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**COLOUR:** Clear, non-yellowing. Can be tinted.

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### **PRODUCT DESCRIPTION:**

Appearance when dry:	Gloss (75%+ @ 60°) Satin (30-35% @ 60°)
Pack size:	1, 4 litre
Theoretical coverage:	10-12m <sup>2</sup> /L. Will vary depending on the substrate.
Storage temperature:	Minimum 10°C Maximum 50°C
Shelf life:	18 months

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### **APPLICATION:**

Mixing:	Stir thoroughly before use and during use – do not shake. Material is designed to be applied directly from the can.
Initial surface preparation:	The surface must be clean, dry and free of all dust, dirt, grease and any other surface contaminants. Materials which are loose and flaky must be removed and feathered back to a sound surface. Existing or previously coated surfaces should be washed down with a mild detergent solution and rinsed off with clean water. Any mould should be treated with a proprietary mould kill solution until completely removed and sterilised, then wash to remove all traces of chemical. Dull glossy areas by sanding (do not use steel wool).
Timber:	Refer to initial surface preparation above. Fill open grained timber with suitable wood filler, allow to dry and sand smooth. Sand timber smooth and remove all sharp edges. Always work in the direction of the grain and maintain a wet edge. Apply along timber in thin even coats. Avoid overlaps or working back on dry areas. Apply three coats to new timber.

New cementitious surfaces, tilt slab:	The usual rule applies for a stand down period of 28 days prior to coating. Ensure substrate is thoroughly dry and clean prior to coating with 2-3 coats of Aalto Water Based Polyurethane.
Previously coated surfaces:	Remove old finishes in poor condition then prepare surfaces as outlined in the initial surface preparation above. Apply two coats of Aalto Water Based Polyurethane.

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**APPLICATION DETAILS:**

Application temperature range:	10°C - 35°C Do not apply if the air or surface temperature during application and drying is likely to fall below 10°C or when humidity is above 85%.
Methods:	Synthetic brush, 6-10mm nap dacron roller, or similar.
Thinners:	Water
Spray:	Recommend an airless unit. Pressure 2,500psi max and a tip 515 or larger. Do not apply heavy coats but rather spray "wet on wet" until a good film build is achieved. If a heavy final coating is required then allow the first coat to dry, sand and apply the next coat. Repeat this process until the coating thickness has been achieved.
Max volume thinners:	5%
Cleaning solvent:	Water
Maximum relative humidity:	75%

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**DRYING CHARACTERISTICS:**

Temperature:	20°C
Touch dry:	1 hour
Recoat Time:	4 hours
Full cure:	24 hours
Over-coating:	When temperatures are above 20°C over coating can be undertaken after four hours, otherwise overnight dry is recommended.

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**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>+ Protect from freezing.</li> <li>+ Avoid breathing vapour - use with adequate ventilation.</li> <li>+ Seal container after use.</li> <li>+ Avoid contact with eyes and prolonged contact with skin.</li> <li>+ Dispose of empty container carefully.</li> <li>+ Do not dispose or paint in sewers or waterways.</li> </ul>
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**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.

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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. October 2010