

WBE(G)  
EXTERIOR / INTERIOR  
PRODUCT DATA SHEET

## AALTO WATER BASED ENAMEL GLOSS

Guarantee is applicable on the use of a full Aalto system

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**TYPICAL APPLICATION:** Quick drying, environmentally friendly, water based enamel for exterior and interior timber work. Exterior use is restricted to surfaces that have low potential for swelling and cracking.

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**PRODUCT FEATURES:**

- + Easy to use, low odour
- + Excellent colour retention
- + Dries to hard, washable surface
- + A true acrylic enamel, excellent opacity and levelling properties

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**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.

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**PRODUCT DESCRIPTION:**

Appearance when dry:	70% gloss level at 60° tri gloss meter
Pack size:	1, 4 litre
Theoretical coverage:	10m <sup>2</sup> - 12m <sup>2</sup> / L
Storage temperature:	Minimum 10°C Maximum 50°C
Shelf life:	18 months
Dry film thickness:	Two coats applied at the theoretical coverage rate will give a dry film build of approximately 64 microns
Wet film thickness per coat:	At the theoretical coverage rate of 11m <sup>2</sup> /L, wet film build of approximately 91 microns
Percentage by weight:	52%
Volume solids:	35%
Pot life (@ 25°C):	Single pack

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**EXTERIOR APPLICATION:**

**Mixing:** Stir well using a broad paddle. Check colour before use. No claim recognised after application.

**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. New external timber should be primed before installation. Existing or previously coated surfaces should be water blasted, 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. Surfaces should be sanded and the adhesion of the remaining paint checked. Spot prime bare timber, new fixing points and filler compounds with Aalto Alkyd Primer Undercoat. The substrate should be thoroughly checked before painting to ensure it is clean and dry and that all potential sources of moisture entry have been eliminated. Work only when environmental conditions are within the recommended range.

**Application note:** It is recommended to lightly sand and clean surface between coats for optimum results. When painting mid or deep tone colours the use of a tinted undercoat is recommended. Please note that the primer coat on bare timber is best applied by brush and two coats are recommended for highly resinous timber or when grain is still visible after first coat.

New, unpainted timber:	Refer to initial surface preparation above. Sand timber smooth and remove all sharp edges. Prime new timber before installation with one coat of Aalto Alkyd Primer Undercoat (cut ends requires two coats of primer). Machine primed timber from the timber processors still needs to be primed with a full coat of Aalto Alkyd Primer Undercoat. Nail holes, cracks and blemishes should be filled after the primer has been applied, then spot primed with the same primer. For best results after priming, apply one coat of Aalto Acrylic Primer Undercoat, followed by two coats of Aalto Water Based Enamel Gloss.
Exposed, weathered timber:	Refer to initial surface preparation above. Repair or replace all rotted or damaged timber and corroded fixings. Sand discoloured or weathered timber back to as-new appearance. After the degraded surface has been removed prime as new timber.
Timber previously painted acrylic:	Refer to initial surface preparation above. For best results then apply one full coat of Aalto Acrylic Primer Undercoat, followed by two coats of Aalto Water Based Enamel Gloss.
Timber previously painted enamel:	Refer to initial surface preparation above. Surfaces should be sanded <u>thoroughly</u> with sanding dust removed, then apply two coats of Aalto Water Based Enamel Gloss.
Note:	As per BRANZ recommendation it is important to note: Applying a dark colour directly over a light one can cause a previously sound coating to lose adhesion because of the higher surface temperatures, which will result in increased movement in the timber causing damage.
<b>Interior Application:</b>	For interior application details please refer to Aalto Water Based Enamel Semi Gloss data sheet.
<b>Steel – interior/exterior</b>	For steel application details please refer to Aalto Galvanised Iron Primer or Aalto Corroless QD data sheets.

**APPLICATION DETAILS:**

Application temperature range:	10°C - 35°C Note: Do not apply when air or surface temperature is likely to fall below 10°C or in high humidity conditions
Methods:	Brush, roll or spray
Thinners:	Water
Cleaning solvent:	Water
Maximum volume thinners:	5% Note: Thin if paint thickens during prolonged use or when applying over extremely porous surfaces.
Nozzle orifice, pressure:	Airless spray, 14 - 17 thou, 2500psi,
Fan angle and width:	30° - 50° , 150mm
Maximum relative humidity:	75%

**DRYING CHARACTERISTICS:**

Temperature:	20°C
Relative humidity::	50%
Touch dry:	2 hours
Re-coat minimum:	12 hours
Over-coating:	Always allow overnight dry between coats. Re-coating must not be undertaken before 12 hours.

**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>
<b>FIRST AID:</b> 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.

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. March 2004