

## VALTTI AKVACOLOR

<b>DESCRIPTION</b>	Natural oil-based waterborne semi-transparent wood finish for use on exterior wood. Available in many attractive colours. Valtti Akvacolor penetrates and enhances the natural beauty of wood whilst retarding the adverse effects of moisture and weathering. Does not form a film.
<b>EXAMPLES OF USE</b>	Timber cladding, weatherboarding, facias, fencing. Unpainted or previously with wood stains treated wooden structures. Suitable for exterior log surfaces, smooth and sawn wood surfaces, impregnated and thermally modified wood.
<b>TECHNICAL DATA</b>	Solids volume: approx. 22% depending upon the colour. Density: 1.0 kg/l, ISO 2811 Base paint: EP Colours: Tikkurila Valtti colour card. Always use a tinted product. The final colour can be seen after the surface has dried. Gloss Grade: Not determinable
<b>EU VOC 2004/42/EC-limit value</b>	(cat A/e) 130g/l(2010) Valtti Akvacolor contains VOC max. 130 g/l.
<b>SPECIFICATIONS</b>	
Preparation	<b>Untreated surfaces:</b> Clean surfaces from dirt, dust and loose material with steel or scrubbing brush. Wash moldy surfaces with Tikkurila Mould Removal or Tehopesu Super Clean according to instructions. Prime surfaces at the earliest possible stage of construction with Valtti Base or Valtti Akvabase. Protect plants from splashes of Valtti Base or Valtti Akvabase.  <b>Surfaces previously treated with semi-transparent product:</b> Remove loose material and wood turned grey with a scraper and/or steel brush. Clean the surface and wash with Homeenpoisto Mould Removal or Tehopesu Super Clean, if necessary. Prime bare wood surfaces with Valtti Base or Valtti Akvabase. If a clear possibly gloss film remains on the wood surface, remove it or at least sand carefully.  Make sure that timber cladding, weatherboarding and timber glazing beads, etc. are adequately fastened with non-corrosive fixings. Valtti Akvacolor is not recommended for use with linseed oil putty. Good quality non-setting glazing compounds which form a protective skin should be used in accordance with manufacturers instructions. Particular attention with regards to preparation should be given to wood such as Oak, Teak, Cedar, Douglas Fir, Mahogany and Idigbo, etc. which contain oil and water soluble tannin which may impair the drying, hardening or adhesion of surface coatings.
Priming	In as early construction stage as possible a priming coat of Valtti Base or Valtti Akvabase should be applied to all exterior wood, which has not been pre-treated or vacuum impregnated with an approved wood preservative. Apply liberally on end grain.
<b>APPLICATION</b>	Methods: brush or spray. For airless spray: use a 0.009" – 0.013" spray tip. Note: polyester and nylon paint brushes are best suited for the application of Valtti Akvacolor.
Painting conditions	All surfaces to be painted must be dry, the moisture content of the wood below 20%, the temperature of the air, surface and wood finish at least +5°C, and the relative humidity of the air below 80% during painting and drying. The working properties are at their best at a calm, cloudy dry weather day with temperature +10 - + 20°C.

Painting	<p>Reserve enough tinted Valtti Akvacolor for one uniform surface, mixed in one can, to avoid possible colour differences. Stir thoroughly before and during use. Apply Valtti Akvacolor evenly and continuously along the length of a log or few boards to avoid overlapping. Apply liberally on the end grain.</p> <p>Apply two coats, on sawn and log surfaces thin coats. Always use a tinted product for the treatment of a new surface.</p> <p>Check the condition of the treated surface and make maintenance treatment when necessary. The maintenance interval is affected by the location, point of compass and weather conditions.</p>
Coverage	<p>Smooth wood: 8-12 m<sup>2</sup>/litre per coat. Sawn wood: 4-8 m<sup>2</sup>/litre per coat. Actual spreading rates will depend upon many factors including texture, porosity and moisture content of the substrate.</p>
Drying Times	<p>At 23<sup>o</sup>C and 50% relative humidity of the air: touch-dry after 2-3 hours and recoatable after 24 hours. Low temperature and high humidity will make drying times longer. Avoid mechanical stress for the first few days until the surface reaches its final hardness.</p>
Cleaning of Tools	<p>Clean with water and soap immediately after use. Rinse with water. Tikkurila Pensselipesu (Tool Cleaner) is recommended for removal of hardened finish.</p>
Maintenance	<p>Handle the treated surface with care as the product achieves its final hardness in normal conditions in about 4 weeks.</p> <p>If cleansing is needed soon after treatment, use a soft brush, a mop or a damp cleaning cloth. Earliest after 1 month from painting a soiled surface can be cleansed with Huoltipesu (1 part of Huoltipesu to 10 parts of water). Clean stains and dirty surfaces with a mix of Huoltipesu and water (1:1). Rinse well and allow to dry.</p>

**ENVIRONMENTAL**

Avoid spillage into drains, water systems and soil. Recycle empty cans or dispose of them in accordance with local regulations. Liquid waste should be destroyed according to the local regulations for hazardous waste.

Risk of self-ignition! Cleaning cloths, sanding dust or overspray containing the product can create fire by self-ignition. Waste like this should be collected and stored in water before disposal, or dried preferably outdoors or incinerated immediately.

**HEALTH AND SAFETY****CLASSIFICATION**  
according to EC Directive  
99/45/EC

Contains cobalt octoate and i-iodo-2-propynyl butylcarbamate. May produce an allergic reaction.

A Material Safety Data Sheet is available on request.

**STORAGE AND TRANSPORT**

Protect from frost. Poorly closed or half empty can does not withstand long-term storage.

ADR: not classified

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