



TIKKURILA

## VALTTI OPAQUE

OPAQUE WOOD STAIN FOR WOOD PROTECTION AND DECORATION

### DESCRIPTION

Semi-matt low-odour special alkyd-reinforced acrylate paint for use on exterior wood surfaces.

### RECOMMENDED USES

Exterior claddings, weatherboarding, window frames etc. Valtti Opaque can be used for new surfaces and surfaces previously coated with Valtti Opaque or semi-transparent wood finishes. Suitable for smooth and sawn wood surfaces and for impregnated wood. Also for industrially primed wood surfaces. Not suitable for treating floors.

### PRODUCT FEATURES

Offers good weather resistance, flexibility and an extremely durable low-maintenance finish. Valtti Opaque is moisture regulating and will not crack, peel or blister.



The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

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## TECHNICAL DATA

<b>Base paints</b>	VC BASE, VVA BASE
<b>Colour Shades</b>	<b>Color cards:</b> Facade 760 colour collection
<b>Gloss</b>	Semi-matt.
<b>Coverage</b>	Smooth wood: 8-10 m <sup>2</sup> /l per coat. Sawn wood: 4-8 m <sup>2</sup> /l per coat. Wet-film thickness approximately 100-250µm per coat, dry-film approximately 40-100µm per coat. Actual spreading rates will depend upon many factors including texture, porosity and moisture content of the substrate.
<b>Can sizes</b>	VC BASE: 0.9 l, 2.7 l, 9 l VVA BASE: 0.9 l, 2.7 l, 9 l
<b>Application method</b>	Brush or spray. Polyester and nylon paint brushes are best suited for the application of Valtti Opaque. For airless spray: use a 0.018" – 0.023" spray tip.  If necessary thin by up to 10% with water.
<b>Drying time</b>	Normally touch-dry in one hour and recoatable after 2 hours. Low temperatures and high humidity will make drying times longer.
<b>Density (kg/l)</b>	1.1 - 1.2 kg/l, ISO 2811
<b>Storage</b>	Protect from frost and direct sunlight. Store and transport in tightly closed containers at temperatures between +5°C and +25°C.

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## APPLICATION INSTRUCTIONS

### Application conditions

All surfaces to be painted must be dry, the moisture content of the wood below 20%, the temperature of the air at least +5 °C, and the relative humidity of the air below 80%.

### Surface preparation

Surfaces must be clean, dry, and free from grease, dirt, oil, wax, rust, all loose material and surface contamination. Remove all loose material from previously painted surface with a steel brush. Wash moldy surfaces with Homeenpoisto Mould Removal solution according to instructions. Treat rusting metal parts like nail heads with Rostex Super Metal Primer. Ensure that existing glossy, gloss painted and filled surfaces are thoroughly flattened down. Ensure that all surfaces are thoroughly prepared prior to priming and painting. Make sure that timber cladding, weatherboarding and timber glazing beads, etc. are adequately fastened with non-corrosive fixings.

Note: Discoloration of paint especially noticeable within light colours may occur over knots and resinous areas present in the wood as a result of temperature and humidity fluctuations. 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 and discolour the finished surface.

### Priming

Prime new bare wood overall at the earliest possible stage of construction and spot prime all bare areas on previously painted wood with Valtti Base or Valtti Akvabase Priming Oil.

Note: 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 preservative. Apply liberally on end-grain.

### Painting

Stir the paint thoroughly before use. Usually Valtti Opaque is used unthinned, if necessary thin with water. Apply two coats with brush or spray on new surfaces and one or two coats in maintenance painting depending on the colour difference of the substrate and the condition of the surfaces to be treated. When treating impregnated wood with light colours, apply two or three coats. Reserve enough paint mixed in one container for a uniform surface to avoid possible colour differences. Apply liberally on end-grain.

### Cleaning of tools

Clean tools with water immediately after use. Remove as much paint as possible from painting tools before cleaning.

### Maintenance instructions

After painting the surfaces must be handled with care, because the paint will achieve its final hardness and durability after 4 weeks under normal conditions. Soon after treatment the surfaces can be cleansed lightly with soft brush, damp cleaning cloth or mop. Earliest one month after painting dirty surfaces can be cleaned with Tikkurila Huoltopesu (1 part Huoltopesu, 10 parts water). Clean stains and very dirty surfaces with a stronger solution of Huoltopesu (1:1). After washing rinse surfaces and allow to dry.

### Maintenance treatment

Valtti Opaque can be repainted with Valtti Opaque. One coat is sufficient, if same colour is used.

Check the condition of the timber and the functionality of the log structure before applying the finishing coat. See more information at:

[http://www.tikkurila.com/decorative\\_paints/instructions/exterior\\_painting/log\\_surfaces](http://www.tikkurila.com/decorative_paints/instructions/exterior_painting/log_surfaces)

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### Environmental protection and waste disposal

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

### Health and Safety

**Contains:** 2-octyl-2H-isothiazol-3-one (OIT). **Warning.** May cause an allergic skin reaction. Very toxic to aquatic life with long lasting effects. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Avoid breathing mist/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves. Contains small amounts of sensitizing substances: 1,2-benzisothiazol-3(2H)-one (BIT), reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT/MIT (3:1)) and 3-iodo-2-propynyl butylcarbamate (IPBC). This product contains a biocidal product for the preservation of the product during storage. Contains: reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT/MIT (3:1)). This product contains a biocidal product for the preservation of the product during storage. Contains C(M)IT/MIT.

This paint contains a biocidal product for the preservation of the dry film. Contains IPBC, OIT.



GHS07

GHS09

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