

VALTTI OPAQUE

DESCRIPTION Semi-matt low-odour special alkyd-reinforced acrylate paint for use on exterior wood surfaces. Offers good weather resistance, flexibility and an extremely durable low-maintenance finish. Valtti Opaque is moisture regulating and will not crack, peel or blister.

EXAMPLES OF USE Exterior claddings, weatherboarding, windows 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.

TECHNICAL DATA

Solids Volume:	30-37 %
Density:	1.1 - 1.2 kg/l, ISO 2811
Base Paints:	VVA and VC
Gloss Grade:	semi-matt
Weather resistance:	Good, also in industrial environment
Thinner:	Water

EU VOC 2004/42/EC limit value (cat A/e) 130 g/l(2010)
Valtti Opaque contains VOC max. 130 g/l.

Colour Range Vinha colour card
Note: The colour shade will not fully develop until the paint is completely dry.

SPECIFICATIONS

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 knots and resinous areas with Tikkurila Knotting Lacquer. Treat rusting metal parts like nail heads with Rostex Super Metal Primer. Ensure that existing glossy, gloss painted and filled surfaces are thoroughly flatted 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. 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.

APPLICATION Methods: 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.

Thinning: if necessary by up to 10% with water.

Painting conditions	All surfaces to be painted must be dry, the temperature of the air at least +5°C, and the relative humidity of the air below 80% during painting and drying.
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. Maintenance painting: Valtti Opaque can be repainted with Valtti Opaque. One coat is sufficient, if same colour is used.
Coverage	Smooth wood: 8-10 m ² /l per coat. Sawn wood: 4-6 m ² /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.
Drying Times	At 23°C and 50% relative humidity of the air: normally touch-dry in one hour and recoatable after 2 hours. Low temperatures and high humidity will make drying times longer.
Cleaning of Tools	Clean with water immediately after use. Tikkurila Tool Cleaner is recommended for removal of hardened paint.
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.

ENVIRONMENTAL INFORMATION

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

HEALTH AND SAFETY CLASSIFICATION

according to EC Directive 99/45/EC

Irritant, Xi

Contains: 2-Octyl-2H-isothiazol-3-one and zinc oxide.

MAY CAUSE SENSITIZATION BY SKIN CONTACT. HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. Avoid contact with skin. Wear suitable protective gloves. Do not breathe spray. Use only in well ventilated areas. Do not empty into drains. If swallowed, seek medical advice immediately and show this container or label. Keep out of reach of children.

A material safety data sheet is available on request.

STORAGE AND TRANSPORT CLASSIFICATION

Protect from frost.

ADR/RID -

sre010612/akk080211/lko191106/300-s