



TIKKURILA

# VALTTI PLUS KESTO

EXTERIOR WOOD STAIN

**DESCRIPTION**

Extremely durable exterior wood stain based on modified acrylate binder and with good UV protection. Forms a semi-matt, water-repellent wood protecting surface. Protects the wood against weathering and retards the adverse effects of moisture and sunlight.

**RECOMMENDED USES**

The paneled exterior walls, laminated log surfaces, fences, window sashes and frames and doors outside. Wood structures that are untreated or previously treated with wood stains.

**PRODUCT FEATURES**

Laminated log surfaces, smooth and sawn wood surfaces, impregnated and thermally modified wood surfaces outside according to the instructions.

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>	EPP BASE, OPP BASE
<b>Colour Shades</b>	<b>Color cards:</b> Super Colors. Valtti Plus Kesto is tinted in Super Color or Valtti color card shades (most of the shades in Valtti card available). Final color can be seen when the surface is dry. The best weather resistance and intensive shade can be achieved by using Super Color shades.
<b>Gloss</b>	Semi-matt.
<b>Coverage</b>	Sawn surface 4-8 m <sup>2</sup> /l. Planed and log surface 8-12 m <sup>2</sup> /l.  Apply the product to form an even, thick layer
<b>Can sizes</b>	EPP BASE: 0.9 l, 2.7 l, 9 l OPP BASE: 0.9 l, 2.7 l, 9 l
<b>Application method</b>	Brush.
<b>Drying time (23°C and 50% relative air humidity)</b>	The surface is touch-dry after 2-4 hours and recoatable after 24 hours.
<b>Density (kg/l)</b>	approx. 1.0 kg/l, ISO 2811.
<b>Volume solids (%)</b>	33
<b>Storage</b>	Protect from frost. Badly closed or short cans endure badly long-time storage. Use opened product during same painting season since product properties change in short container.

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## APPLICATION INSTRUCTIONS

### Application conditions

The surface to be treated must be dry and the moisture content of the wood below 20%. During painting and drying, the temperature of the air, surface and wood finish must be at least +5 °C, and the relative humidity of the air below 80%. The working properties are at their best in calm, cloudy dry weather in temperatures of +10 to 20 °C.

### Surface preparation

Untreated surface:

Clean the surface from dirt, dust and loose material with a steel or scrubbing brush. Wash moldy surfaces with Tikkurila Homeenpoisto according to the instructions. Prime surfaces at the earliest possible stage of construction with Valtti Pohjuste or Valtti Plus Base. Protect plants from splashes of primer.

Surfaces that have previously been treated with a semi-transparent product:

Remove loose material and wood that has turned gray with a scraper and/or steel brush. Clean the surface and wash with Homeenpoisto mold removal, if necessary. Prime bare wood surfaces with Valtti Pohjuste or Valtti Plus Base. If a clear possibly glossy film remains on the wood surface, roughen the surface by sanding.

Reserve enough tinted Valtti Plus Kesto for one uniform surface, mixed in one can, to avoid possible color differences. Stir thoroughly before use and from time to time during use.

Apply Valtti Plus Kesto evenly and continuously along the length of a log or few boards to avoid overlapping. The product dries quickly. Apply the product enough to form an even, thick layer. Treat the end surfaces of the wood with special care.

Apply two coats on new, primed surfaces and in maintenance painting 1-2 coats, depending on the condition and earlier treatment of the old surface. The surfaces previously treated with a thin, wood absorbent product usually demand two treatments.

Check the condition of the treated surface and perform maintenance treatment as necessary, when the surface of the stain starts to wear out. The maintenance interval is affected by the location and direction of the object as well as weather conditions.

### Cleaning of tools

Clean the tools with water and soap Tikkurila Pensselipesu Tool Cleaner is recommended to remove slightly hardened paint.

### Maintenance instructions

Handle the painted surface with care as the product achieves its final hardness and durability in normal conditions in about four weeks. If a surface needs cleaning soon after treatment, use a soft brush, a damp cloth or a mop.

After one month from painting, a dirty surface can be cleaned with Huoltopesu (mix 1 part of Huoltopesu with 10 parts of water).

Clean stains and very dirty surfaces with a stronger Huoltopesu solution (1:1). After washing rinse with water and let dry.

### Maintenance treatment

Valtti Plus Kesto can be maintenance treated with Valtti Plus Kesto. See Pretreatment.

### 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.

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## Health and Safety

Harmful to aquatic life with long lasting effects. Contains 1,2-benzisothiazol-3(2H)-one (BIT), reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)), 2-octyl-2H-isothiazol-3-one (OIT) and 3-iodo-2-propynyl butylcarbamate (IPBC). May produce an allergic reaction. Avoid release to the environment. This product contains a biocidal product for the preservation of the product during storage. Wear protective gloves. Contains: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)).

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