



TIKKURILA

# VALTTI PLUS COLOR

DURABLE WOOD STAIN

## DESCRIPTION

Durable wood stain for wooden surfaces. Easily absorbs into the wood, emphasizing the wooden structure. Strong UV and moisture protection make the wooden surface weather resistant. Available in wide range of colours by tinting. For Valtti Plus Color 73% of total organic carbon is replaced with bio-based content (measured in accordance with ASTM D6866-18), which means that 17% of total product content is bio-based.

## RECOMMENDED USES

Exterior walls and fences. Wood structures that are untreated or previously treated with wood stains.

## PRODUCT FEATURES

Suitable for exterior log surfaces, smooth and sawn wood surfaces, impregnated and thermally modified wood surfaces, used according to instructions.

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### TECHNICAL DATA

<b>Base paints</b>	ECV BASE, OPV BASE
<b>Colour Shades</b>	<b>Color cards:</b> Valtti - Semi-transparent wood finishes, Tikkurila Valtti Plus Color.
<b>Coverage</b>	Sawn wood: 4-8 m <sup>2</sup> /l. Smooth wood: 8-12 m <sup>2</sup> /l.
<b>Can sizes</b>	ECV BASE: 0.225 l, 0.9 l, 2.7 l, 9 l OPV BASE: 0.9 l, 2.7 l, 9 l FACTORY READYMADE SHADE: 0.75 l, 2.5 l, 4.5 l
<b>Thinner</b>	Water. Should not be diluted.
<b>Application method</b>	Brush
<b>Drying time</b>	Touchdry after 4-5 h. Overcoatable after 24 h. Avoid mechanical stress for the first few days because the surface has not yet reached its final hardness.
<b>Density (kg/l)</b>	approx. 1.0 kg/l, ISO 2811
<b>Volume solids (%)</b>	23.5
<b>VOC</b>	EU VOC limit value (cat A/e) 130 g/l (2010). Valtti Plus Color contains max 130 g/l.
<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

All surfaces to be treated must be dry, the moisture content of the wood must be below 20%. The temperature of the air, surface and wood finish should be 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 with temperature +10 - + 20°C.

### Surface preparation

Untreated surfaces:

Clean the surface from dirt, dust and loose material with a steel or scrubbing brush. Wash moldy surfaces with Tikkurila Homeenpoisto mold removal according to the instructions. Prime surfaces at the earliest possible stage of construction with Tikkurila priming oil. 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 or if necessary. Prime bare wood surfaces with Tikkurila Priming oil. If a clear possibly gloss film remains on the wood surface, remove it or at least sand carefully.

### Priming

In as early construction stage as possible a recommended Tikkurila priming oil 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.

### Application

Reserve enough tinted Valtti Plus Color for a uniform surface, mixed in one container, to avoid possible color differences. Stir Valtti Plus Color thoroughly before and occasionally during use.

Apply Valtti Plus Color evenly and continuously along the entire length of a log or few boards to avoid overlapping. Treat the end grains with particular care.

Treat new surfaces twice, with thin layers on planed and log surfaces. For maintenance treat the surface 1-2 times. Always use a tinted product for the treatment of a new surface.

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, point of compass and weather conditions, among other things. Check the condition of the log surface and the functionality of the log structure before finishing. This product is not recommended for use on wood species with a high tannin content, such as oak and exotic woods like merbau, cedar, meranti.

### Cleaning of tools

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

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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## Maintenance instructions

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

One month after painting at the earliest, a soiled surface can be cleansed with Talon Huoltopesu maintenance cleaner (1 part of Huoltopesu to 10 parts of water). Clean stains and very dirty surfaces with a stronger solution of Talon Huoltopesu and water (1:1). After washing rinse with water and let dry

## 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. Note! Risk of self-ignition of used cleaning rags, paper wipes etc. Contaminated materials can create fire some hours later and should be soaked in water and placed in a closed metal container before disposal.

## 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. **IF ON SKIN:** Wash with plenty of soap and water. Contains small amounts of sensitizing substances: 3-iodo-2-propynyl butylcarbamate (IPBC).



GHS07



GHS09

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