

**WW46**
**WATER-BORNE WOOD STAIN SYSTEM FOR EXTERIOR WOODEN SURFACES**
**PINJA WOOD STAIN                      314 -serie**

The water-borne system WW46 is a translucent stain system for exterior wooden claddings, doors, panels, garden furniture, log houses etc.

Pinja Wood Stain is a waterborne fast drying semi-transparent wood stain which penetrates deeply into the wood. It has very good water repellent effect which reduces the cracking of the wood. It protects the surface against moisture, sunlight and dirt. Pinja Wood Stain is tintable in Avatint and Akvi Tone tinting system. Pinja Wood Stain is not suitable for floors where is hard mechanical wear resistance or strong exposure to weathering.

**2-layer treatment**

Treatment	Product	Application method	Wet film thickness
1x priming	Pinja Wood Stain	Spraying, dipping, flow coating, vacuum	80 - 120 g/m <sup>2</sup>
1x top coat	Pinja Wood Stain	Spraying, dipping, flow coating, vacuum	80 - 120 g/m <sup>2</sup>

**PRODUCT PROPERTIES**

<b>Solid Content</b>	10 volume-%, 11 weight-%
<b>Specific gravity</b>	1.0 kg/l
<b>Gloss</b>	Matt
<b>Theoretical coverage</b>	10-14 m <sup>2</sup> /l
<b>Drying times</b>	Recoatable after 1-2 hours
<b>Application methods</b>	Dipping, flow coating, spraying, vacuum.
<b>Thinner</b>	Water.
<b>Cleaning of equipment</b>	Water.
<b>Colours</b>	Clear. Avatint and Akvi Tone tinting system. Valtti Semi-transparent Wood Finishes and Colors for Wood colour card.

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<b>SURFACE PREPARATION</b>	The surface to be treated has to be clean and dry. The moisture content of sawn timber has to be below 20 %.
<b>APPLICATION CONDITIONS</b>	During application and drying the temperature of the air, paint and surface should be at least +10 °C. The relative humidity should not exceed 70 %. Good ventilation is needed during the drying process.
<b>APPLICATION</b>	<p>Stir Pinja Wood Stain carefully before application and thin with water if necessary. The application viscosity is 11 - 13 s (DIN4). Apply Pinja Wood Stain and check that it covers all the surfaces and that the colour is even. Let the stain dry. In normal conditions with temperature of 20 - 30°C the drying time is about 1-2 hours.</p> <p>Apply second coat same way as first coat.</p>
<b>WARRANTY OF QUALITY</b>	<p>Tikkurila Oyj has designed this application technology and painting system to have a maintenance interval of 2-5 years if conditions of wooden construction materials are checked annually and possible damages fixed according to the maintenance instructions.</p> <p>These products are tested in Tikkurila R&amp;D laboratory and exterior test field. Long experience of the exterior use has shown that these products are suitable for painting of exterior wooden construction materials. Maintenance interval is a rough estimate, as it depends on the structural features, weather conditions, the geographic location and orientation of the objects.</p>
<b>MAINTENANCE</b>	Remove dirt, mould and loose particles from the surfaces. Remove loose oil with scraper and brush the surface clean with a steel brush. Wash down dirty and mouldy surfaces with Tikkurila Mould Removal or Tehopesu Power Cleaner according to the instructions. Repaint surface according the instructions of maintenance paint. Pinja Wood Stain and Valtti Akvacolor suitable products for maintenance painting. Apply evenly 1-2 coats.

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.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.