

**WW76**
**WATER-BORNE HIGH SOLID CONTENT WOOD STAIN SYSTEM FOR EXTERIOR WOODEN SURFACES**

**PINJA WOOD STAIN**      **314-serie**  
**PINJA COLOR PLUS**    **75V -serie**

The water-borne system WW76 is a semi-transparent wood stain system for exterior wooden claddings, doors, windows, fences etc.

Pinja Wood Stain TCW is waterborne fast drying translucent wood stain which penetrates deeply in to the wood and protects wood against moisture, sunlight and dirt. It also decreases the cracking of the wood. Pinja Wood Stain TCW is tintable in Akvi Tone tinting system.

Pinja Color Plus is a waterborne fast drying flexible semi-transparent wood stain. The solid content of the stain is high and exterior durability is very good. It protects the surface against moisture, sunlight and dirt and it contains very effective uv-protection agent. Pinja Color Plus is tintable in Avatint tinting system to the colours of Super Color and Semi-transparent wood finishes colour card. Recommended total dry film thickness for three layer system is minimum 80 µm.

**3-layer treatment**

| Treatment   | Product          | Application method                      | Wet film                  | Dry film    |
|-------------|------------------|---|---------------------------|-------------|
| 1x priming  | Pinja Wood Stain | Spraying, dipping, flow coating, vacuum | 80 - 120 g/m <sup>2</sup> | 8-13 µm     |
| 2x top coat | Pinja Color Plus | Spraying                                | 90 - 120 g/m <sup>2</sup> | 2x 30-40 µm |

**PRODUCT PROPERTIES**

|                             |  |                                      |
|-----------------------------|--|--------------------------------------|
| <b>Solid Content</b>        | 10 volume-%, 11 weight-%<br>28 volume-%, 30 weight-% | Pinja Wood Stain<br>Pinja Color Plus |
| <b>Specific gravity</b>     | 1.0 kg/l<br>1.0 kg/l                                 | Pinja Wood Stain<br>Pinja Color Plus |
| <b>Gloss</b>                | Semi-matt  | Pinja Color Plus                     |
| <b>Theoretical coverage</b> | 12-14 m <sup>2</sup> /l<br>8-10 m <sup>2</sup> /l    | Pinja Wood Satin<br>Pinja Color Plus |

**Drying times**

|                  | 90-120 /m <sup>2</sup> | +23°C | +50°C     |
|------------------|------------------------|-------|-----------|
| Pinja Wood Stain | Dry to recoat          | 1-2 h | 5-20 min  |
| Pinja Color Plus | Dry to recoat          | 2-4 h | 10-30 min |

Stacking temperature below +30°C.

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

|                            |   |                                      |
|----------------------------|---|--------------------------------------|
| <b>Application methods</b> | Dipping, flow coating, spraying, vacuum<br>Spraying                                 | Pinja Wood Stain<br>Pinja Color Plus |
| <b>Thinner</b>             | Water.  |                                      |
| <b>Colours</b>             | Avatint tinting system. Super Color and Semi-transparent Wood Finishes 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 +5 °C. The relative humidity should not exceed 80 %. Good ventilation is needed during the drying process.   |
| <b>APPLICATION</b>            | <p>Stir the Pinja Wood Stain well before application and thin with water if necessary. The proper application viscosity is 11 - 13 s (DIN4). Pour the Pinja Wood Stain to the vessel and let it normalize 10 - 20 minutes before painting. Check that the Stain covers all the surfaces and that the colour is even. Let the stain dry. In normal conditions when temperature is 20 - 30 °C the drying time is about 1-2 hours.</p> <p>Stir the Pinja Color Plus well before application. The right spray nozzle size is 0.009 or 0.011" and angle 20 or 40 and the spraying distance from object about 20 - 25 cm.</p> <p>Spray the Pinja Color Plus both times about 90-120 g/m<sup>2</sup> wet film thickness and let the stain dry about 2 - 4 hours (in 20 - 30 °C ) before second application. Drying time in conventional oven in 30-50°C temperature is about 10-30 min. After second layer let the stain dry minimum 2 - 4 hours in room temperature and 10-30 min in conventional oven before further processing.</p> <p>Let the pieces dry in position so that the lacquered surfaces touch as less as possible to each other. Between the pieces can be placed for instance cardboard or foam plastic to prevent the damages. The temperature must be under 35 °C during the storage of the pieces.</p> |
| <b>WARRANTY OF QUALITY</b>    | <p>Tikkurila Oyj has designed this application technology and painting system to have a maintenance interval of 7-10 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 stain 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 the surface according the instructions of maintenance paint. Valtti Plus Kesto, Ultra, Pika-Teho and Vinha are 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.