

WW115
3-LAYER PAINT SYSTEM FOR EXTERIOR WOODEN WINDOWS AND DOORS
**PINJA WOOD STAIN
PINJA FLEX COMBI 25, 35**

Water-borne system WW115 is pigmented paint system for exterior wooden windows and doors.

Pinja Wood Stain 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 is tintable in Akvi Tone and Avatint -tinting systems. Instead of Pinja Wood Stain it is possible to use Pinja Indeep.

Pinja Flex Combi is fast drying polyacrylate top coat for exterior windows and doors. Pinja Flex Combi is tintable in Avatint -tinting system.

3-LAYER SYSTEM FOR EXTERIOR WOODEN WINDOWS

	Product	Application method	Wet film thickness
1x Impregnation	Pinja Wood Stain TCW Pinja Indeep	Dipping, flow coating, spraying	80 – 120 g/m ²
1x Priming	Pinja Flex Combi	Spraying	125 – 150 g/m ²
1x Top coat	Pinja Flex Combi	Spraying	125 – 150 g/m ²

PRODUCT PROPERTIES

Solid Content	10 volume-% 39 volume-%	Pina Wood Stain Pinja Clex Combi
Gloss (ISO 2813/60°)	Semi-matt Semi-gloss	Pinja Flex Combi 25 Pinja Flex Combi 35
Application methods	Dipping, flow coating, spraying Spraying	Pinja Wood Stain Pinja Flex Combi
Thinner	Water.	
Cleaning of equipment	Water.	
Colours	Avatint -tinting system.	

SURFACE PREPARATION	The wood has to be clean and dry. The relative humidity of wood has to be under 20 %.
APPLICATION CONDITIONS	During application and drying the temperature of the air, paint and surface should be at least +18 °C. The relative humidity should not exceed 70 %. Best drying conditions are in 20 - 40 °C temperature, relative humidity 50-70 % and also good ventilation is needed.
APPLICATION	<p>Stir the Pinja Wood Stain TCW well before application. The proper application viscosity is 11 - 13 s (DIN4). Apply Pinja Wood Stain and check that the Stain covers all the surfaces. 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 Flex Combi well before application and thin with water if necessary. Normally the paint is used in delivery viscosity but max. 10 % thinning with water is possible.</p> <p>Spray the paint evenly about 125-150 g/m² wet films and let the paint dry. In normal conditions when the temperature is 20 - 30 °C the drying time is minimum 2-4 hours.</p> <p>Sand the surfaces carefully with paper grit 240 or 320 and remove the sanding dust.</p> <p>Apply second layer same way as first layer and let the paint dry minimum 2-4 hours before further processing.</p> <p>Let the pieces dry in vertical position so that the painted 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 30°C during the storage of the pieces.</p> <p>Application with airless, air assisted-airless spray. Nozzle size 0.013–0.015" is recommended. Spraying distance from the object is about 20–25 cm.</p>
WARRANTY OF QUALITY	<p>Tikkurila Oyj has designed this application technology and painting system to have a maintenance interval of minimum 7 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&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>
MAINTENANCE PAINTING	<p>Check the paint surfaces every year and repaint scratches or other damages according following instructions.</p> <p>Wash down the surface with MAALIPESU detergent and rinse carefully with water. Remove old loose paint with scraper. Sand down surface and remove the sanding dust. Stir Pinja Flex Combi or Unica Akva well before use. Apply evenly 1 - 2 coats of paint. Sand down lightly between each coat. Follow the instructions of the maintenance paint.</p>

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.