

WW113

OPAQUE PAINT SYSTEM FOR EXTERIOR WOODEN CLADDINGS

Pinja Opti Primer

Water-borne system WW113 is high quality paint system for exterior sawn and planed wooden claddings.

Pinja Opti Primer is water-borne alkyd primer for fine sawn and planed claddings. It has very good hiding power and it is possible to tint up to 1:1 with water. Pinja Opti Primer is possible to repaint with Tikkurila's water- or solvent-borne exterior paints.

The paint protects the wood against moisture, sunlight and dirt. The paint film has low water absorption properties which decreases the cracking of the wood. When applied once the paint has good protection for 6-9 months.

For finishing painting it is recommended Ultra Pro -serie products, Pinja Pro, Ultra Classic, Ultra Matt, Pika-Teho, Vinha and Teho paints.

Recommended wet film thickness is 125-160 g/m² which corresponds about 24-40 µm dry film thickness.

FAST DRYING SYSTEM FOR EXTERIOR WOODEN CLADDINGS

	Product	Application method	Wet film thickness
Priming	Pinja Opti Primer	Spraying, vacuum, brushing machine	125 - 160 g/m ²

PRODUCT PROPERTIES

Solid Content 46 vol-%
33 vol-% Pinja Opti Primer A
Pinja Opti Primer C

Specific gravity 1,49 kg/l
1,14 k/l Pinja Opti Primer A
Pinja Opti Primer C

Drying times **Wet film 130 g/m²** **+20°C** **+50°C**
Dry to handle 6-12 h 5-20 min

Gloss Matt

Application methods Spraying, vacuum, brushing machine

Thinner Water

Cleaning of equipment Water or Tool Cleaner.

Colours Avatint -tinting

SURFACE PREPARATION	The surface to be treated has to be clean and dry. The moisture content of sawn timber has to be below 20 %.
APPLICATION CONDITIONS	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.
SYSTEM	<p>Stir the Pinja Opti Primer well before application and thin with water. The right nozzle size is 0.013 - 0.017" and angle 20 or 40 and the spraying distance from object about 20 - 25 cm.</p> <p>Apply the Pinja Opti Primer evenly about 125-160 g/m² wet film thickness and let the paint dry. Drying time in conventional oven in 30-50°C temperature is about 5-20 min.</p> <p>Vacuum and brushing machine application: follow instructions of the machine supplier.</p> <p>Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation as well as color shade of the paint. Darker colors dry longer than white colors.</p>
STACKING	<p>Stacking temperature below +30°C.</p> <p>In order to avoid surface damages painted panels are recommended to stack so that the paint surface is against wood surface. Surface temperature must be under 30°C and between panels is recommended to put some soft material. Drying and stacking properties must be tested before starting the full scale painting.</p>
WARRANTY OF QUALITY	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.
MAINTENANCE PAINTING	Remove dirt, mould and loose particles from the surfaces. Remove loose paint with scraper and brush the surface clean with a steel brush. Wash down dirty and mouldy surfaces with Tikkurila Mould Removal according to the instructions. Repaint surface according the instructions of maintenance paint. Ultra Classic, Ultra Matt, Pika-Teho and Vinha are suitable products for maintenance painting.