

## WW110

### OPAQUE PAINT SYSTEM FOR EXTERIOR WOODEN CLADDINGS

#### Pinja Mid Pro

Water-borne system WW110 is high quality paint system for exterior sawn and planed wooden claddings.

Pinja Mid Pro is all-round water-borne fast drying acrylic primer and midcoat. It ensures the overall durability of the paint system. The properties of Pinja Mid Pro have been optimized to form an even, thick film while drying fast at the same time.

The paint protects the wood against moisture, sunlight and dirt. The paint film has low water absorption and good stacking properties.

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

Recommended wet film thickness for priming is 100 g/m<sup>2</sup> and it corresponds 31 µm dry film thickness and recommended wet film for midcoat is 200 g/m<sup>2</sup> and it corresponds 63 µm dry film thickness.

#### FAST DRYING SYSTEM FOR EXTERIOR WOODEN CLADDINGS

	Product	Application method	Wet film thickness
As primer	Pinja Mid Pro	Spraying, vacuum, brushing machine	100 - 125 g/m <sup>2</sup>
As midcoat	Pinja Mid Pro	Spraying, vacuum, brushing machine	175 - 200 g/m <sup>2</sup>

#### PRODUCT PROPERTIES

<b>Solid Content</b>	42 vol-%	Pinja Mid Pro AP Pinja Mid Pro CP
	41 vol-%	

<b>Specific gravity</b>	1,32 kg/l	Pinja Mid Pro AP Pinja Mid Pro CP
	1,27 k/l	

<b>Drying times</b>	<b>Wet film 150 g/m<sup>2</sup></b>	<b>+20°C</b>	<b>+50°C</b>
	Dry to repaint	6-12 h	5-20 min

<b>Gloss</b>	Matt
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<b>Application methods</b>	Spraying, vacuum, brushing machine
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<b>Thinner</b>	Water
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<b>Cleaning of equipment</b>	Water or Tool Cleaner.
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<b>Colours</b>	Avatint -tinting
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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 19 %.
<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 80 %. Good ventilation is needed during the drying process.
<b>SYSTEM</b>	<p>Stir the Pinja Mid Pro well before application. Normally the paint is used in delivery viscosity but max. 5-10 % thinning with water is possible. 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 Mid Pro evenly 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>
<b>STACKING</b>	<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>
<b>WARRANTY OF QUALITY</b>	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.
<b>MAINTENANCE PAINTING</b>	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.