

## WW128

### OPAQUE PAINT SYSTEM FOR EXTERIOR WOODEN CLADDINGS

#### Pinja Protect Top 25

Water-borne system WW128 is high quality paint system for exterior sawn and planed wooden claddings.

Pinja Protect Top 25 is water-borne acrylic top coat and it has been granted The Nordic Swan ecolabel showing that the product fulfils strict environmental and health requirements. The product is designed to be used on top of Pinja Protect G and GM.

Painting system is developed for fast drying industrial lines and can also be dried with IR lamps. In addition to that, only two layers of paint are needed. This results in a short throughput time and high productivity. The paint contains fungicides, protecting against mold, algae and other microbes.

Pinja Protect Top 25 is tintable in Avatint tinting system.

Recommended wet film thickness is 240 g/m<sup>2</sup> which corresponds about 80 µm dry film thickness.

#### FAST DRYING SYSTEM FOR EXTERIOR WOODEN CLADDINGS

	Product	Application method	Wet film thickness
Primer	Pinja Protect G, GM	Spraying, brushing machine	150 g/m <sup>2</sup>
Top coat	Pinja Protect Top 25	Spraying, brushing machine	240 g/m <sup>2</sup>

#### PRODUCT PROPERTIES

<b>Solid Content</b>	43 vol-%	Pinja Protect G
	43 vol-%	Pinja Proteect Top 25
<b>Specific gravity</b>	1,29 kg/l	Pinja Protect G
	1,28 kg/l	Pinja Protect Top 25
<b>Drying times</b> Pinja Protect G and Pinja Protect Top 25	<b>Wet film 240 g/m<sup>2</sup></b> Dry to recoat	<b>+20°C</b> 1-4 h
		<b>+50°C</b> 3-20 min
<b>Gloss</b>	Semi-matt	
<b>Application methods</b>	Spraying and brushing machine	
<b>Thinner</b>	Thinning is not recommended	
<b>Cleaning of equipment</b>	Water.	
<b>Colours</b>	A and C bases, white NCS 0502-Y and Avatint tinting system.	

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<b>SURFACE PREPARATION</b>	The surface to be treated must be clean and dry. The moisture content of wood has to be below 16 %.
<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>SYSTEM</b>	<p>Stir Pinja Protect G carefully before use. Avoid making foam</p> <p>For airless spraying, the product is not thinned. Recommended nozzle tip is 0.017–0.032" and pressure 120–180 bar. Spray angle shall be chosen according to the shape of the object</p> <p>Apply the Pinja Protect G evenly about 150 g/m<sup>2</sup> wet film thickness and let the paint dry. Drying time in conventional oven in 30-50°C temperature is about 3-20 min.</p> <p>Stir Pinja Protect Top 25 carefully before use. Avoid making foam</p> <p>For airless spraying, the product is not thinned. Recommended nozzle tip is 0.017–0.032" and pressure 120–180 bar. Spray angle shall be chosen according to the shape of the object</p> <p>Apply the Pinja Protect Top 25 evenly about 240 g/m<sup>2</sup> wet film thickness and let the paint dry. Drying time in conventional oven in 30-50°C temperature is about 12-20 min.</p> <p>Brushing machine application: follow instructions of the machine supplier.</p>
<b>STACKING</b>	<p>The colours of C-base paint might need longer drying time than the colours of A-base. Drying and recoating times are related to the wet film thickness, color shade, temperature, the relative humidity of the air and ventilation</p> <p>Stacking temperature below +30°C.</p> <p>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. Alcro Bestå and Beckers Perfect Fasad Plus are suitable products for maintenance painting.