WW118

FAST DRYING OPAQUE PAINT SYSTEM FOR EXTERIOR WOODEN CLADDINGS

Ultra Pro H10

Water-borne system WW118 is high quality paint system for exterior sawn and planed wooden claddings.

Ultra Pro H10 is fast drying flexible matt polyacrylate paint. Ultra Pro H10 is recommended to use as primer and top coat. It protects the wood against moisture, sunlight and dirt. The paint film has low water absorption properties which decreases the cracking of the wood. Ultra Pro H10 is tintable in Avatint tinting system for C - base colors.

Recommended wet film thickness is 120 - 160 g/m² each layer which corresbonds about 40-50 µm dry film thickness. Recommended total dry film thickness is for two layer system is 80-100 µm.

FAST DRYING SYSTEM FOR EXTERIOR WOODEN CLADDINGS

	Product	Application method	Wet film thickness
Primer and top	Ultra Pro H10	Spraying, vacuum, brushing machine	2x 120 - 160 g/m²

PRODUCT PROPERTIES

Solid Content   36 vol-%

Specific gravity   1,12 kg/l

Drying times

	120–160 g /m²	+30-50ºC
Ultra Pro H10	Dry to repaint	5-20 min

Gloss   Matt

Application methods   Spraying, vacuum, brushing machine

Thinner   Water

Cleaning of equipment   Water or Tool Cleaner.

Colours   AVATINT tinting systems. For exterior use it is recommended to use the shades on the Wooden Facades, NCS or RAL colour cards.

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 ⁰C. The relative humidity should not exceed 70 %. Good ventilation is needed during the drying process.

SYSTEM

Stir the Ultra Pro H10 well before application. Normally the paint is used in delivery viscosity but max. 5 % thinning with water is possible. The right nozzle size is 0.013 or 0.017" and angle 20 or 40 and the spraying distance from object about 20 - 25 cm.

Spray the Ultra Pro H10 evenly about 120-160 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. Drying and recoating times are related to the wet film thickness, color shade, temperature, the relative humidity of the air and ventilation.

The colours of C base paint might need longer drying time than the colours of A-base.

Apply second coat same way as first coat.

STACKING

Stacking temperature below +30⁰C.

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

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.

WARRANTY OF QUALITY

Tikkurila Oyj has designed this application technology and painting system to have a maintenance interval of minimum 10 years if conditions of wooden construction materials are checked annually and possible damages fixed according to the maintenance instructions.

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 and Pika-Teho are suitable products for maintenance painting.