



### **WW77**

# WATER-BORNE 2-COMPONENT POLYURETHANE PRIMER AND POLYACRYLATE TOP PAINT SYSTEM FOR EXTERIOR WINDOWS AND DOORS

PINJADUR PRIMER 006 5007 **PINJA FLEX COMBI 25** 38V-serie **PINJA FLEX COMBI 35** 37V -serie

The water-borne system WW77 is 2-component primer and one component top paint system for exterior windows and doors.

Pinjadur Primer is a water-borne 2-component primer for interior and exterior applications. The paint has good filling and sanding properties as well as minimal swelling of wood and mdf- and hdf-board fibers.

Pinja Flex Combi is a fast drying water-borne polyacrylate top paint for exterior windows and doors. Pinja Flex Combi is tintable in Avatint -tintings system. Recommended total dry film thickness for two layer system is minimum 90

# **TYPICAL PAINT SYSTEM**

Treatment	Product	Application method	Wet film thickness
Priming	1-2x Pinjadur Primer	Spraying	100-150 μm
Top coat	1x Pinja Flex Combi 25, 35	Spraying	100-150 μm

## PRODUCT PROPERTIES

Solid Content	40 volume-%	(006 507)
	43 volume-%	(38V-s)

(0065007)Specific gravity 1.3 kg/l 1.2 kg/l (38V-s)

Mixing ratio 006 5007: 008 7605 100:20 Pot life 1,5 h

**Drying times** 

	100-120 /m <sup>2</sup>	+23°C	+50°C
	Dry to sand	6-7 h	1,5 -2 h
Pinjadur Primer	Dry to stack	6-7 h	1,5-2 h
	Dry to sand	1-2 h	0,5-1 h
Pinja Flex Combi	Dry to stack	1-2 h	0,5-1 h

Stacking temperature below +30°C.

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

**Gloss** (38V-s) Semi-matt Semi-gloss (37V-s)

**Application methods** Airless, air assisted airless and conventional spraying.

**Thinner** Water.

Cleaning of equipment Water.

Colours Avatint -tinting system.

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#### SURFACE PREPARATION

Dirt, dust and other unfamiliar material must be removed from the surface. Wooden material should be sanded before application with paper grain size 150 – 240. All sanding dust must be removed before application.

### **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%. Good ventilation is needed during drying process.

#### **APPLICATION**

Stir Pinjadur Primer carefully. Add 20% by volume Hardener 008 7605 and mix again carefully. Thin the paint to the viscosity required. If you use 2-component spray equipment, thin the paint part only.

Apply an even coat of Pinjadur Primer (wet film thickness about  $100-150 \mu m$ ) and let it dry. Sand the surface with sand paper 240-400 grit and remove sanding dust carefully.

If needed apply second coat of Pinjadur Primer same way as first coat and sand the surface and remove sanding dust.

Stir Pinja Flex Combi carefully. Thin the paint to the viscosity required. Apply an even coat of Pinja Flex Combi (wet film thickness about  $80-150 \mu m$ ) and let it dry.

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

The drying time depends of film thickness, temperature, relative humidity and the air ventilation.

Application with airless, air assisted-airless and conventional spray. Nozzle size 0.011–0.015" is recommended. Spraying distance from the object is about 20–25 cm.

## **WARRANTY OF QUALITY**

Tikkurila Oyj has designed this application technology and painting system to have a maintenance interval of 7-9 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**

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. Suitable maintenance product for exterior application is Unica Akva. Stir the paint carefully before use. Apply evenly 1–2 coats of paint. Sand down lightly between each coat.

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.