

WW94
WATER-BORNE FIRE RETARDANT PAINT SYSTEM INTERIOR WOODEN SURFACES.
**Fontefire WF
Akvi Top DS 25**

The water-borne system WW94 is fire retardant paint system for interior wooden panels.

Fontefire WF is a water-borne intumescent primer which forms insulating layer when it is subjected to heat. It contains film preservatives which protects paint film from mould growth.

Akvi Top DS 25 is a fast drying water-borne semi-matt top paint with very good scratch and chemical resistance. Akvi Top DS 25 is tintable in Avatint -tinting system.

TYPICAL PAINT SYSTEM

Treatment	Product	Application method	Wet film thickness
Priming	2x Fontefire WF	Vacuum, spraying	175-190 g/m ²
Top coat	1x Akvi Top DS 25	Spraying	100 g/m ²

PRODUCT PROPERTIES

	Solid content	Specific gravity
Fontefire WF	46 volume-%	1.2 kg/l
Akvi Top DS 25	36 volume-%	1.2 kg/l

DRYING TIMES

		+50°C
Fontefire WF	Dry to stack	Minimum 5-10 min
	Dry to repaint	Minimum 1 h
Akvi Top DS 25	Dry to stack	Minimum 5-15 min

Stacking temperature below +30°C. Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation. Darker colors dry longer time than lighter.

GLOSS Semi-matt

APPLICATION METHODS Vacuum, airless, air assisted airless spraying, brushing machine

CLEANING OF EQUIPMENT Water.

COLOURS Fontefire WF -light grey
Akvi Top DS 25 -Avatint tinting

SURFACE PREPARATION

Remove dirt and dust from the surface. Assure that surface is free from mould and blue stain.

Note: The product is intended to be used onto dry new wood surfaces. For industrial use only.

APPLICATION CONDITIONS

During application and drying the temperature of the air, paint and surface should be at least +15°C. The relative humidity should be between 20-60 %. Good ventilation is needed during drying process.

APPLICATION

Stir Fontefire WF carefully before application. The paint is recommended to apply without thinning. Large nozzle tip 0,015-0,027" is recommended for spraying.

For front side apply an even coat wet film thickness about 175 g/m² and let it dry. In conventional oven temperature 35-45°C the drying time is minimum 5-10 min but longer drying time is recommended.

Apply second coat of Fontefire WF same way as first coat and let it dry.

Stir Akvi Top DS 25 carefully before application and thin with water if necessary. The nozzle tip 0,011-0,015" is recommended. Apply an even coat wet film thickness about 100 g/m² and let it dry. In conventional oven temperature 35-45°C the drying time is minimum 5-15 min.

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

Stacking temperature below +30°C.

STACKING

In order to avoid surface damages the paint surface temperature must be under 30°C and it is recommended to put soft material between the panels. Drying and stacking properties must be tested before starting the full-scale painting.

MAINTENANCE PAINTING

Remove dirt, and loose particles from the surfaces. Remove loose paint by sanding or scraper. Wash down dirty surfaces with Tikkurila Maalipesu. Repaint surface according the instructions of maintenance paint. Helmi paint is suitable products for maintenance painting.

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.

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