

**SYSTEM SHEET WW96**

Feb. 2025

WW96 -FIRERETARDANT LACQUER SYSTEM FOR INTERIOR WOODEN SURFACES**Fontefire WF Clear
Akvilac WF 10 EP**

Fontefire WF Clear is water-borne intumescent lacquer with highest possible fire retardant properties on wood. When subjected to heat, Fontefire WF Clear expands and forms an insulating layer of foam. Fontefire WF Clear has fire reaction class B-s1, d0, according to the standard EN 13501-1:2007+A1:2009, the highest possible for wood material.

Akvilac WF 10 is a fast drying water-borne matt top lacquer with very good scratch and chemical resistance. Akvilac WF 10 improves the Fontefire WF Clear cleaning properties as well as chemical, scratch and wear resistance. Akvilac WF 10 is tintable in Avatint Plus tinting system. When used together with Fontefire WF Clear provides the B-s1, d0 classification.

LACQUER SYSTEM WITHOUT TOP LACQUER

- Fire protection system for all wooden substrates over 9 mm thickness
- Certificate K36/2019

Treatment	Product	Application method	Wet film thickness
Priming	Fontefire WF Clear	Spraying	100 g/m ²
Top lacquer	Fontefire WF Clear	Spraying	100 g/m ²

LACQUER SYSTEM WITH CLEAR TOP LACQUER

- Fire protection system for spruce panel over 14 mm thickness
- Certificate K40/A/2018

Treatment	Product	Application method	Wet film thickness
Priming	Fontefire WF Clear	Spraying	2x 100 g/m ²
Top lacquer	Akvilac WF 10 Clear	Spraying	70 g/m ²

LACQUER SYSTEM WITH TINTED TOP LACQUER

- Fire protection system for all wooden substrates over 9 mm thickness
- Certificate K108/2024

Treatment	Product	Application method	Wet film thickness
Priming	Fontefire WF Clear	Spraying	2x 125 g/m ²
Top lacquer	Akvilac WF 10 clear or tinted	Spraying	70 g/m ²



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PRODUCT PROPERTIES

Product	Solid content	Specific gravity
Fontefire WF Clear	42 vol-%	1,2 kg/l
Akvilac WF 10	26 vol-%	1,1 kg/l

DRYING TIMES

Product		23°C	50°C
Fontefire WF Clear	Dry to repaint	12 h	1 h
Akvilac WF 10	Dry to touch	30-45 min	10-15 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.

GLOSS

Matt

COLORS

Akvilac WF 10: Clear. Avatint Plus tinting system.

APPLICATION METHODS

Airless, air assisted airless and conventional spraying.

SURFACE PREPARATION

Dirt, dust and other unfamiliar material must be removed from the surface.
If needed sand the surface.

APPLICATION

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 Clear carefully before application. The lacquer is recommended to apply without thinning. Large nozzle tip 0,015-0,027" is recommended for spraying.

Apply an even wet film 100 g/m² or 125 g/m² and let it dry. In conventional oven and temperature 50°C the lacquer is touch dry after 5-10 min recoatable after 1 h. In room temperature drying lacquer is recoatable after 12 h.

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

Stir Akvilac WF 10 carefully before application and thin with water if necessary. The nozzle tip 0,009-0,013" is recommended. Apply an even coat wet film thickness 70 g/m² and let it dry. In conventional oven temperature 35-45°C the drying time is minimum 5-15 min.

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation. Stacking temperature below +30°C.



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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

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. Repaint surface according the instructions of maintenance product. Akvilac WF 10 and Kiva 10 lacquers are suitable products for maintenance painting.