

# Akvilac WF 10

## DESCRIPTION

A one-component water-borne lacquer. Used together with Fontefire WF Clear provides the B-s1, d0 classification.

## PRODUCT FEATURES AND RECOMMENDED USES

- Chemical-resistant top lacquer for fire-retardant interior lacquer system. Extends the usage area of fire-retardant lacquer by providing resistance to the most used household chemicals.
- Levels evenly and smoothly on top of fire-retardant lacquer Fontefire WF Clear. Good levelling properties ensure the excellence of the final surface.
- Fast-drying and easy-to-use lacquer. Dries fast and is therefore suitable for fast production lines. As a one-component lacquer, it is very easy to use.
- Can only be used in dry indoor areas.
- The product fulfills the following fire resistance requirements: Reaction to fire. Ignitability of building products, class B-s1, d0 according to EN 13501-1:2007+A1:2009 when topcoated with Fontefire WF Clear.
- The M1 classification for low-emitting building materials has been granted by the Finnish Building Information Foundation RTS.
- Listed in the database for building products that can be used in Nordic Swan Ecolabelled buildings.
- To be used on top of Fontefire WF Clear on interior wood surfaces in industrial application processes.



## TECHNICAL DATA

**Volume solids** 26±2%

**Weight solids** 32±2%

**Specific gravity** 1.1 kg/l

**Recommended spreading amounts and theoretical coverage**

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
60–70 g/m <sup>2</sup>	14–17 µm	15–18 m <sup>2</sup> /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

**Drying times**

60–70 g/m <sup>2</sup>	+23°C	+50°C
Dust dry, after	25–35 min	5–10 min
Touch dry, after	30–45 min	10–15 min

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

**Gloss** Matt.

**Color shades** Clear.

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## APPLICATION INSTRUCTIONS

<b>Surface preparation</b>	Remove dust, loose particles and other impurities from the surface. Wood surfaces must be sanded with sandpaper P150–320. Sanding prior to the next application with sandpaper P240–400. All sanding dust must be removed.
<b>Recommended primers</b>	Fontefire WF Clear.
<b>Application conditions</b>	The surface to be treated has to be clean and dry. The moisture content of wood has to be below 20%. During application and drying temperature of the air, substrate and paint must be over +18°C and relative humidity of the air below 70%. Good ventilation is required to ensure optimal result. Product can be dried with or without oven.
<b>Application</b>	<p>Stir the lacquer carefully before use. Avoid flotation.</p> <p>For airless spraying, the product is thinned approximately 0–5% to the viscosity 45–65s (DIN4). Recommended nozzle tip is 0.011"–0.015" and pressure 80–160 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For air–assisted airless spraying, the product is thinned approximately 0–5% to the viscosity 45–65s (DIN4). Recommended nozzle tip is 0.011"–0.015" and pressure 40–120 bar. Atomising air pressure should be about 1–3 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For conventional spraying, the product is thinned approximately 0–5% to the viscosity 45–60s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.</p> <p>For curtain coating, the product is thinned approximately 0–5% to the viscosity 45–60s (DIN4). Avoid too high pumping pressure and flowing speed.</p>
<b>Thinners</b>	Water
<b>Cleaning of equipment</b>	Water
<b>VOC</b>	The Volatile Organic Compounds amount is 125 g/litre of paint mixture. VOC content of the paint mixture (thinned 5% by volume) is 119 g/l. VOC 2004/42/EC (cat A/e) 130 g/l (2010)

**HEALTH AND SAFETY** Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.

A health and safety data sheet is available on request from Tikkurila Oyj.

### For industrial use only.

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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