



# Akvilac FD 70

## DESCRIPTION

A water-borne, one-component high-gloss acrylate top lacquer.

## PRODUCT FEATURES AND RECOMMENDED USES

- Very good filling properties forming a consistent and even film. The product can also be used on top of dark stain colors.
- Due to its excellent blocking properties and chemical resistance, the lacquer is perfectly suitable for indoor applications.
- 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.
- A transparent lacquer for furniture, panels, doors and other wooden surfaces.

## TECHNICAL DATA

Volume solids 33±2%

Weight solids 40±2%

Specific gravity 1.0 kg/l

### Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
70–100 g/m <sup>2</sup>	23–33 µm	10–14 m <sup>2</sup> /l

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

### Drying times

100 g/m <sup>2</sup> wet film	+23°C	+50°C
Dust dry, after	20–25 min	5–10 min
Touch dry, after	25–30 min	5–10 min
Dry to sand, after	30–35 min	5–10 min

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

### Gloss

Gloss.

### Color shades

Shades from the Akvicolor AT colour cards and several colours by request. Akvi Tone tinting.



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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>	Akvilac FD 70.  Apply lacquer 1–2 times.
<b>Application conditions</b>	The surface to be treated has to be clean and dry. The moisture content of wood has to be below 18%. During application and drying temperature of the air, substrate and product 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>	Stir the product carefully before use. Avoid flotation.  For air-assisted airless spraying, the product is thinned approximately 0–5% to the viscosity 45–65s (DIN4). Recommended nozzle tip is 0.009"–0.013" 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.  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.
<b>Thinners</b>	Water
<b>Cleaning of equipment</b>	Water
<b>VOC</b>	The Volatile Organic Compounds amount is 23 g/litre of paint mixture. VOC content of the paint mixture (thinned 5 % by volume) is 8 g/l. VOC 2004/42/EC (cat A/e) 130g/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 and professional use only.**

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