

# Akvilac FD-J 10

## DESCRIPTION

A water-borne, one-component acrylate lacquer.

## PRODUCT FEATURES AND RECOMMENDED USES

- Developed especially for the joinery industry. This lacquer is an excellent choice when high cost-effectiveness is required from the production line.
- M1-classified, economical all-round lacquer for interior use. This transparent lacquer can also be used on top of dark stain colors. The product is designed for fast production lines.
- Excellent blocking properties and chemical resistance. The lacquer protects surfaces in indoor applications.
- Can also be used as a sealer under water-borne UV-lacquer, see page 2.
- Suitable for mouldings, panels, doors and other wooden surfaces.



## TECHNICAL DATA

**Volume solids** 23±2%

**Weight solids** 26±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>	16–23 µm	10–15 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** Matt.

**Color shades** Shades from the Akvicolor AT colour card and several colours by request. Akvi Tone tinting.

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## APPLICATION INSTRUCTIONS

**Surface preparation** 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.

**Recommended primers** Akvilac FD-J 10.

**Recommended topcoats** Akvilac FD-J 10, Luminol Clear 25.

**Application conditions** 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.

**Application** Stir the product carefully before use. Avoid flotation.

For air-assisted airless spraying, the product is thinned approximately 0–5% to the viscosity 40–60s (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 40–60s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.

**Thinners** Water

**Cleaning of equipment** Water

**VOC** The Volatile Organic Compounds amount is 22 g/litre of paint mixture.

VOC content of the paint mixture (thinned 5% by volume) is 21 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.**

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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