



Akvilac FD 70 - Acrylate lacquer



DESCRIPTION Water-borne, one-component acrylate lacquer.

PRODUCT FEATURES A very fast-drying, high-gloss lacquer for interior use.

Recommended uses Suitable for furniture, panels, doors and other wooden surfaces.
Especially suitable for fast production lines.

TECHNICAL DATA

Features

- The lacquer film is transparent and it can be used on top of dark stain colors.
- Excellent blocking resistance.

Colour Range Temaspeed Akvi Tone -tinting.

Colour Cards Shades from the Akvicolor AT color cards and several colors by request.

Gloss groups Gloss

| Coverage | Recommended spreading amounts (unthinned) | | Theoretical coverage |
|----------|--|----------|-------------------------|
| | dry | wet | |
| | | 23–33 µm | 70–100 g/m ² |

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

Thinner Water

Application method 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.



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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.

| | 100 g/m ² wet film | +23°C | + 50°C |
|--------------|-------------------------------|-----------|------------|
| Drying times | 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.

| | |
|---------------|--|
| Solids volume | abt. 33±2 % by volume, 35±2 % by weight. |
| Density | 1.0 kg/litre |
| Product code | 55V 6909 |

APPLICATION DETAILS

| | |
|-------------------------------|--|
| Application conditions | The surface to be treated has to be clean and dry. During application and drying the temperature of the air, the surface to be treated and the lacquer has to be over 18°C and the relative humidity of the air below 70%. |
| Preparation | Wood surfaces should be sanded with sandpaper P150–240. Primed surfaces should be sanded with sandpaper P240–600. All sanding dust must be removed before lacquering. |
| Priming | Recommended primers: Akvilac FD 70. Apply lacquer 1-2 times. |
| Lacquering | Stir the lacquer carefully before use. Avoid flotation. Thin with water to the required viscosity. |
| Cleaning of tools | Water. |
| EU VOC 2004/42/EC-limit value | The Volatile Organic Compounds amount is 23 g/l of lacquer mixture. VOC content of the paint mixture (thinned 5 % by volume) is 21 g/l. VOC 2004/42/EC (cat A/e) 130 g/l (2010) |



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HEALTH AND SAFETY

LABELLING

according to Regulation
(EC) No. 1272/2008

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.

Safety data sheet

 [AKVILAC FD 70](#)

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The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes.

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