

Akvilac FD-J 25

DESCRIPTION A water-borne, one-component acrylate lacquer.
A very fast drying and economical all-round lacquer for interior use.

The lacquer film is transparent and it can be used on top of dark stain colours.

PRODUCT FEATURES Excellent blocking and chemical resistance.

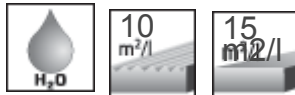
Can also be used as a sealer under water-borne UV-lacquer, see page 2.



 [zoom](#)

RECOMMENDED USES Suitable for joinery industry such as mouldings, panels, doors and other wooden surfaces. Especially suitable for fast production lines.

TECHNICAL DATA



Colour Range Temaspeed Akvi Tone -tinting.

| Coverage | Recommended spreading amounts (unthinned) | | Theoretical coverage |
|----------|---|----------|-------------------------|
| | dry | wet | |
| | | 16–23 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
Air-assisted airless spraying and conventional spraying.

Application method 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.



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|--------------|-------------------------------|-----------|----------|
| | 100 g/m ² wet film | +23 °C | +50°C |
| | Dust dry, after | 20–25 min | 5–10 min |
| | Touch dry, after | 25–30 min | 5–10 min |
| Drying times | 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.

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| Solids volume | Volume solids 23±2% Weight solids 25±2% |
| Density | 1.0 kg/litre |
| Product code | 483 6909 (TCW-base) |

APPLICATION DETAILS

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|-----------------------------------|---|
| 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. Primer surfaces should be sanded with sandpaper P240–600. All sanding dust must be removed before lacquering. |
| Priming | Recommended primer Akvilac FD-J 25. |
| Surface treatment | Recommended topcoats: Akvilac FD-J 25 and Luminol Clear 25. |
| Mixing of components | Stir the lacquer carefully before use. Avoid flotation. Thin with water to the viscosity required. |
| Cleaning of tools | Water. |
| EU VOC 2004/42/ EC-limit value | The Volatile Organic Compounds amount is 21 g/litre of paint mixture. VOC content of the paint mixture (thinned 5 % by volume) is 20g/l. VOC 2004/42/EC (cat A/e) 130g/l (2010) |

HEALTH AND SAFETY

LABELLING according to

Regulation (EC)
No. 1272/2008

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](#)

ENVIRONMENTAL

and WASTE

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DISPOSAL

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TRANSPORT

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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.