

Akvi Top DS 25

DESCRIPTION

A one-component water-borne acrylate topcoat for colorful even surface.

PRODUCT FEATURES AND RECOMMENDED USES

- The application properties are very good. The paint has a high solids content and good filling properties. It levels smoothly onto the surface.
- A fast-drying topcoat for demanding environments. The paint forms a hard film with a possibility for a wide range of colors.
- Can be stacked rapidly and is therefore an excellent choice for topcoating fire-retardant paint. The product has been approved as a topcoat in fire-retardant painting systems for interior use.
- Very good scratch and blocking resistance.
- 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.
- Suitable for panels, doors, mouldings and other wooden/fibre board surfaces.



TECHNICAL DATA

Volume solids 36±2%

Weight solids 48±2%

Specific gravity 1.23±0.1 kg/litre

Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
100–120 g/m ²	30–36 µm	10–12 m ² /l

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

Drying times

120 g/m ²	+23°C	+50°C
Dust dry, after	20–25min	5–10min
Touch dry, after	20–25min	5–10min
Dry to sand, after	25–30min	5–10min

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

Gloss

Semi-matt.

Color shades

RAL, NCS, SSG, BS and SYMPHONY colour cards. Avatint tinting system.



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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	Akvi Primer, Akvi Primer MP.
Application conditions	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 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	<p>Stir the product carefully.</p> <p>For airless spraying, the product is thinned approximately 0–5%. Recommended nozzle tip is 0.011"–0.015" and pressure 120–160 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%. 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%. Recommended nozzle tip is 1.6–2.2 mm and pressure 2–3 bar.</p>
Thinners	Water
Cleaning of equipment	Water
Storage	Opened and/or tinted packaging has more limited shelf life than unopened and untinted packaging.
VOC	The Volatile Organic Compounds amount is 20 g/litre of paint mixture. VOC content of the paint mixture (thinned 5% by volume) is 19 g/l. VOC 2004/42/EC (cat A/d) 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.
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For industrial and professional use only.

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