

Luminol Clear 25

DESCRIPTION A water-borne UV-curing urethane lacquer.

- PRODUCT FEATURES AND RECOMMENDED USES**
- Luminol Clear 25 has superior stacking properties, thus enabling faster production cycles
 - A water-borne option for acid-catalyzed products. Due to UV-curing technology, the scratch resistance of the final surface is outstanding
 - Retains and enhances the natural outlook of the wood
 - Excellent resistance to abrasion and chemicals
 - Fast curing
 - Recommended for furniture, doors of kitchen fittings, interior doors and other wooden surfaces

TECHNICAL DATA

Volume solids 31±2 %

Weight solids 33±2 %

Specific gravity 1.0 kg/l

Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
80–100 g/m ²	25–32 µm	10–13 m ² /l

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

Drying times 100 g/m²

Dry to sand immediately after UV-curing.
Dry to stack immediately after UV-curing.

Flash Off 1-3 minutes needed before conventional drying. Flash off times are related to the film thickness, temperature, the relative humidity of the air and ventilation

Required UV-energy Dry to stack after 600 mJ/cm² UV-A dose according to EIT UV Power View measuring equipment. For drying needed UV-oven with f.ex. Mercury lamps. The number of lamps depends of the power and line speed.

Gloss Semi-matt.

Color shades Clear

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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	Luminol Clear 25. Apply lacquer 1–2 times. Different colours can be achieved by using Akvi Color stains under lacquer film.
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.
Application	Stir the lacquer carefully before use. For 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 80–160 bar. Spray angle shall be chosen according to the shape of the object. For air-assisted airless spraying, the product is thinned approximately 0–5% to the viscosity 40–60s (DIN4). Recommended nozzle tip is 0.009"–0.015" and pressure 40–140 bar. Atomising air pressure should be about 2 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 to 20 g/litre of paint.
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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