



Luminol 25 N

DESCRIPTION

A water-borne urethane polyester paint to be cured by UV-light.

PRODUCT FEATURES AND RECOMMENDED USES

- A fast-drying water-borne UV-curing paint based on unique urethane polyester. The paint is suitable for rapid production lines
- As a UV-curing paint Luminol 25 N has excellent resistance to the household use
- Good abrasion and chemical resistance
- Suitable for furniture, doors of kitchen fittings and other wooden surfaces indoors

TECHNICAL DATA

Volume solids

35±2%

Weight solids

48±2%

Specific gravity

1.3 kg/litre

Recommended spreading amounts and theoretical coverage

8–10 m²/l (100 µm).

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

Drying times

90–110 g/m²

Dry to stack immediately after UV curing.

Flash-off 1 min / +23°C + 5 min / +50°C before UV curing. Flash-off time depends on the temperature and the efficiency of the ventilation

Required UV-energy

500 mJ/cm² + 500 mJ/cm². For proper curing of thicker layers use both Gallium and Mercury lamps in UV curing.

Gloss

Semi-matt.

Color shades

White, NCS S 0502-Y



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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	Uvicol Primer, Uvinol Sealer HB, Akvi Primer Pro, Akvi Primer MP, Dicco Surf Delfi Beige.
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	<p>Recommended application amounts: 100–140 g/m². Stir the paint carefully before use.</p> <p>For airless spraying, the product is thinned approximately 0–5% to the viscosity 40–60s (DIN4). Recommended nozzle tip is 0.011"–0.015" and pressure 80–160 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% to the viscosity 40–60s (DIN4). Recommended nozzle tip is 0.011"–0.015" and pressure 40–140 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% to the viscosity 40–60s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.</p>
Thinners	Water
Cleaning of equipment	Water.
VOC	The Volatile Organic Compounds amount to 5 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 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.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.