

WW112
WATER-BORNE FAST DRYING PAINT SYSTEM FOR DIFFERENT KIND OF WOOD FURNITURE. TOP PAINT IS FAST DRYING WATER-BORNE UV-CURING PAINT.
**AKVI PRIMER MP
LUMINOL 25 N**

The water-borne system WW112 is fast drying paint system for painting of doors, moldings, panels, doors of kitchen fittings and other wooden surfaces indoors.

Akvi Primer MP is a water-borne fast drying and high solid content acrylate primer. The paint has very good filling properties and excellent hiding power.

Luminol 25 N is a fast drying water-borne uv-curing semi-matt top paint with very good stacking properties, scratch and chemical resistance.

TYPICAL PAINT SYSTEM

Treatment	Product	Application method	Wet film thickness
Priming	1-2x Akvi Primer MP	Spraying	80-150 g/m ²
Top coat	1x Luminol 25 N	Spraying	80-120 g/m ²

PRODUCT PROPERTIES

Solid Content	40 volume-%	Akvi Primer MP
	35 volume-%	Luminol 25 N
Specific gravity	1.5 kg/l	Akvi Primer MP
	1.3 kg/l	Luminol 25 N

Drying times

	100–120 /m ²	+50°C
Akvi Primer MP	Dry to sand Dry to stack	5-10 min 5-10 min
Luminol 25 N	Dry to stack	Flash off 1 min and conventional + ir-drying 5 min before uv-curing

Stacking temperature below +30°C.

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation. Darker colors dry longer time than lighter.

Required UV-energy 500 mJ/cm² + 500 mJ/cm² Ga + Hg lamps. For proper curing use both Gallium and Mercury lamps in UV-curing.

Gloss	Semi-matt	Luminol 25 N
Application methods	Airless, air assisted airless and conventional spraying.	
Cleaning of equipment	Water.	
Colours	White, NCS S 0502-Y	

SURFACE PREPARATION

Dirt, dust and other unfamiliar material must be removed from the surface. Wooden material should be sanded before application with paper grain size 150 – 240. All sanding dust must be removed before application.

APPLICATION CONDITIONS

During application and drying the temperature of the air, paint and surface should be at least +18°C. The relative humidity should not exceed 70%. Good ventilation is needed during drying process.

APPLICATION

Stir Akvi Primer MP carefully before application and thin with water if necessary.

Apply an even coat of Akvi Primer MP (wet film thickness about 80–150 g/m²) and let it dry. Sand the surface with sand paper 240–400 grit and remove sanding dust carefully.

If needed apply second coat of Akvi Primer MP same way as first coat and sand the surface and remove sanding dust.

Stir Luminol 25 N carefully before application and thin with water if necessary. Apply an even coat wet film thickness about 80–120 g/m² and dry the paint in conventional drying tunnel and uv-curing with Ga and Hg uv-lamps. Cool down the paint surface before stacking.

The drying time depends of color, film thickness, temperature, relative humidity and the air ventilation.

Application with airless, air assisted-airless and conventional spray. Nozzle size 0.011–0.015” is recommended. Spraying distance from the object is about 20–25 cm.

MAINTENANCE PAINTING

Wash down the surface with MAALIPESU detergent and rinse carefully with water. Remove old loose paint with scraper. Sand down surface and remove the sanding dust. Stir Helmi or Empire carefully before use. Apply evenly 1–2 coats of paint. Sand down lightly between each coat.

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.

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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.