

WW111
WATER-BORNE FAST DRYING PAINT SYSTEM FOR DIFFERENT KIND OF WOOD SURFACES
**AKVI ISOLATOR
AKVI TOP DS 25**

The water-borne system WW111 is fast drying paint system with 1-component isolating primer and 1-component top coat for painting of panels, mouldings, frames, doors, furniture and other wooden surfaces indoors.

Akvi Isolator one component isolating primer which retards the bleeding of wood resins and knots thus slowing the discoloring of the top paint. The paint forms dense paint film and it has very good filling properties, excellent hiding and it has minimal tendency for swelling of the wood fibers.

Akvi Top DS 25 is a fast drying water-borne semi-matt top paint with very good scratch and chemical resistance. Akvi Top DS 25 is tintable in Avatint tintings system.

TYPICAL PAINT SYSTEM

| Treatment | Product | Application method | Wet film thickness |
|-----------|--------------------|--------------------|--------------------------|
| Priming | 1-2x Akvi Isolator | Spraying | 100-150 g/m ² |
| Top coat | 1x Akvi Top DS 25 | Spraying | 80-120 g/m ² |

PRODUCT PROPERTIES

| | | |
|-------------------------|-------------|----------------|
| Solid Content | 36 volume-% | Akvi Isolator |
| | 39 volume-% | Akvi Top DS 25 |
| Specific gravity | 1.3 kg/l | Akvi Isolator |
| | 1.2 kg/l | Akvi Top DS 25 |

Drying times

| | 100-120 /m ² | +23°C | +50°C |
|----------------|-------------------------|-----------|----------|
| Akvi Isolator | Dry to sand | 30-60 min | 5-10 min |
| Akvi Top DS 25 | Dry to handle | 30-60 min | 5-15 min |

Stacking temperature below +30°C.

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

| | | |
|------------------------------|--|----------------|
| Gloss | Semi-matt | Akvi Top DS 25 |
| Application methods | Airless, air assisted airless and conventional spraying. | |
| Cleaning of equipment | Water. | |
| Colours | Avatint -tinting system. | |

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 Isolator well before application and thin with water if necessary. Apply an even coat wet film thickness about 100 - 150 g/m² and let it dry. Nozzle size 0.013-0.017 is recommended. Sand the surface with sand paper 240 - 400 grit and remove sanding dust carefully.

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

Stir Akvi Top DS 25 carefully before application and thin with water if necessary. Apply an even coat (wet film thickness about 80–120 g/m²) and let it dry.

The drying time depends of 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.

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.