

**WW92**
**WATERBORNE LACQUER SYSTEMS FOR DIFFERENT KIND OF INTERIOR WOOD SURFACES**
**AKVI COLOR  
AKVILAC FD-J 25**

The waterborne system WW50 is general use lacquer system for different kind of wood furniture, panels, frames, doors, chairs etc. This system can be used as clear or with Akvi Color, Dicco Color or Dicco Lasyr stains.

Akvi Color is water-borne wood stain and tintable with Akvi Tone colorants. Dicco Color is solvent-borne wood stain which contains soluble light resistant dyestuff. Dicco Lasyr is semi-transparent wood stain and tintable with Temaspeed Premium colorants.

Akvilac FD 25 TCW is fast drying all-around lacquer for interior furniture applications. The lacquer is based on high quality self-cross linking acrylic binder and it is tintable in Akvi Tone tinting system. Akvilac FD 25 TCW lacquer fulfills R2 resistance requirements according IOS-MAT-0066 specification.

The same system is also recommended for other Akvilac FD and Akvilac FD-J -serie lacquers.

**LACQUER SYSTEM WITH STAIN**

|                   | Product           | Application method | Application               |
|-------------------|-------------------|--------------------|---------------------------|
| 1x staining       | Akvi Color        | Spraying,          | 60 - 80 g/m <sup>2</sup>  |
| 1x priming        | Akvilac FD 25 TCW | Spraying           | 70 - 100 g/m <sup>2</sup> |
| 1x top lacquering | Akvilac FD 25 TCW | Spraying           | 70 - 100 g/m <sup>2</sup> |

**PRODUCT PROPERTIES**

**Solid Content** 3 - 25 volume-% (378-s)  
29 volume-% (477 6909)

**Specific gravity** 1.0 kg/l (378-s)  
1.0 kg/l (477 6909)

**Gloss** (ISO 2813/60°) 20-30 (477 6909)

**Application methods** Spraying

**Drying times/23°C**

|                   | Dry to sand | Dry to stack |
|-------------------|-------------|--------------|
| Akvi Color        | 15 - 45 min | 15 - 45 min  |
| Akvilac FD 25 TCW | 30-35 min   | 30-35 min    |

**Drying times/50°C**

|                   | Dry to sand | Dry to stack |
|-------------------|-------------|--------------|
| Akvi Color        | 1 - 15 min  | 1 - 15 min   |
| Akvilac FD 25 TCW | 5 - 10 min  | 5 - 10 min   |

**Thinner** Water.

**Colours** Clear. Tinting with Akvi Tone colorants. Akvi Color, Dicco Color or Dicco Lasyr stains can be used before lacquering.

**SURFACE PREPARATION**

Dirt, dust and other unfamiliar material must be removed from the surface. Wooden material should be sanded before application with sand paper 150 - 240 mesh. 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 Color stain carefully before application. Apply an even coat on the dry and clean surface and let it dry.

Stir Akvilac FD 25 TCW carefully before application. Thin the lacquer with water if necessary. Apply an even coat and let it dry about 30 min (in temperature of 20 - 30 °C) before sanding.

Sand the surface carefully with sand paper 320 or 400 mesh and remove sanding dust before the second application. Apply an even coat and let it dry about 30-60 min (in temperature of 20-30 °C temperature) before further processing.

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

Application with airless or conventional spraying system. Nozzle size is 0.009 - 0.013" and spraying distance from the object is about 20 - 25 cm.

**MAINTENANCE LACQUERING**

Wash down the surface with MAALIPESU detergent and rinse carefully with water. Remove old loose lacquer with scraper. Sand down surface and remove the sanding dust.

Stir Akvilac FD 25 TCW, Kiva Interior lacquer, Merit Jahti or Unica Super well before use. Apply evenly 1 - 2 thin coats of lacquer. Sand lightly after the first coat and remove sanding dust before the second application.

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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.