

WC12
SOLVENT- BORNE HIGH GLOSS ACID CATALYSED LACQUER SYSTEM
MERIT 80
005 2701

Solvent- borne acid catalysed system WC12 is high gloss lacquer system for interior wooden doors, chairs, furniture, panels, frames etc. This system can be clear or stained with Dicco Color, Dicco Lasyr or Akvi Color stains.

Merit 80 is two-component high gloss acid catalysed priming and top lacquer and it has very good chemical and scratch resistance.

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. Akvi Color is water-borne wood stain and tintable with Akvi Tone colorants.

HIGH GLOSS LACQUER SYSTEM WITH STAIN

	Product	Application method	Wet film thickness
Staining	Dicco Color	Spraying	1x 60—80 µm
Lacquering	Merit 80	Spraying	2—3x 80—120 µm

PRODUCT PROPERTIES

Solid Content 49 volume-% 005 2701

Specific gravity 1,0 kg/l

Lacquer hardener mixing ratio Merit 80 : 006 2098 100:10

- Alternative hardener 990 2219 mixing ratio 100:10
- Hardener 990 2219 may give slightly higher gloss and smoother surface.

Drying times

	100–120 /m ²	+23°C	+50°C
Merit 80	Dry to sand Dry to stack	3-5 h 24-48 h	30-40 min 70-90 min

Stacking temperature below +35°C.

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

Gloss Full gloss

Application methods Spraying, dipping

Thinner Thinner 1025 (slow), 1027 (normal)

Cleaning of equipment Thinner 1025, 1027, 1033

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 the wood Dicco Color stain well and apply it and check that it covers the surfaces evenly. Let the stain dry.

Stir the Merit lacquer well and add 10 % by volume of hardener 006 2098 and mix well again. Thin the lacquer to the proper application viscosity with thinner 1025 or 1027. Proper spraying viscosity is 15–20 sec (Din4).

Spray an even coat and let it dry about 3–5 h (in 20–30°C temperature) before sanding. Sand the surface carefully with paper grain size 320 or 400 and remove sanding dust before second application. Spray second layer same way as first layer and let it dry. Use small grain size sanding paper (600-1200) before final top coat.

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

The right nozzle size is 0,009–0,011" and angle 20 or 40 and the spraying distance from object about 20–25 cm.

MAINTENANCE LACQUERING

Wash down the surface with Maalipesu and rinse carefully with water. Remove old loose lacquer with scraper. Sand down surface and remove the sanding dust. Stir Merit Jahti or Unica Super well before use. Apply evenly 1-2 coats of lacquer. Sand down lightly between each coat.

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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.