



Merit 80

DESCRIPTION

A two-component acid-catalyzed lacquer.

PRODUCT FEATURES AND RECOMMENDED USES

- The lacquer forms a very hard film with good scratch resistance. Its high solids content enables outstanding filling properties.
- Wooden surfaces can be colored with either the solvent-borne Dicco Color or the water-borne Akvi Color stain before applying Merit 80. The lacquer enhances the appearance of stained wood.
- Emission levels of this paint fulfils the E1-classification. Paint has been tested according to EN 717-1, and formaldehyde emission is less than 0.124 mg/m³ air.
- Recommended for furniture, doors and other similar wooden surfaces.

TECHNICAL DATA

Volume solids 49±2%

Weight solids 56±2%

Specific gravity 1.0 kg/l

Mixing ratio
Lacquer 100 parts by volume Merit 80
Hardener 10 parts by volume 006 2098

Pot life (+23°C) 48 hours

Recommended spreading amounts and theoretical coverage

| Recommended spreading amounts (unthinned) | | Theoretical coverage |
|---|-------|-------------------------|
| wet | dry | |
| 80–100 g/m ² | 40 µm | 10–11 m ² /l |

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

Drying times

| 80–100 g/m ² | +23°C | +50°C |
|-------------------------|-----------|-----------|
| Touch dry, after | 30–40 min | 10–15 min |
| Dry to sand, after | 3–5 h | 30–40 min |
| Dry to stack, after | 24–48 h | 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.

Color shades Clear



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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 | Merit Sanding, Merit 20, Merit 30, Merit 80. |
| 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. Product can be dried with or without oven. |
| Mixing components | First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use power mixer for mixing. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface and weaken the properties of the coating. Do not use iron containers as mixing container. Instead use plastic, enamel or acid resistant steel containers. |
| Application | For air-assisted airless spraying, the product is thinned approximately 15–30% to the viscosity 18–25s (DIN4). Recommended nozzle tip is 0.009"–0.013" and pressure 60–160 bar. Atomising air pressure should be about 1–3 bar. Spray angle shall be chosen according to the shape of the object. For conventional spraying, the product is thinned approximately 10–20% to the viscosity 20–30s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar. |
| Thinners | Thinner 1033, Thinner 1027 |
| Cleaning of equipment | Thinner 1033, Thinner 1027 |
| VOC | The Volatile Organic Compounds amount is 460 g/litre of paint. Maximum VOC content in ready to use paint (thinned 30% by volume) is 540 g/l. |

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.