

**DESCRIPTION** A two-component acid-catalyzed lacquer.  
**PRODUCT FEATURES** An all-round lacquer with good filling properties.

**Recommended uses** Recommended for furniture, doors and other similar wooden surfaces.

#### TECHNICAL DATA

**Features** The product has MED (Marine Equipment Directive) certificate no VTT-C-11165-15-14 and is thus accepted for painting surfaces inside the ships.

**Gloss groups** Semi-matt

**Building material emission class** MED

**Emission classification** The emission level of this product fulfils the requirements of E1 classification for surface treatment materials. The product has been tested according to the standard EN 717-1, and its formaldehyde emission rate is less than 0.124 mg/m<sup>3</sup> air.

Coverage	Recommended spreading amounts (unthinned)		Theoretical coverage
	dry	wet	
	40–50 µm	80–100 g/m <sup>2</sup>	10–12 m <sup>2</sup> /l

**Thinner** 1033 and 1027

**Mixing ratio** Lacquer 100 parts by volume 005 2703  
Hardener 10 parts by volume 006 2098

**Application method** For **airless spraying**, the product is thinned approximately 5–20% to the viscosity 20–45s (DIN4). Recommended nozzle tip is 0.011"–0.015" and pressure 100–160 bar. Spray angle shall be chosen according to the shape of the object.

For **air-assisted airless spraying**, the product is thinned approximately 5–20% to the viscosity 20–45s (DIN4). Recommended nozzle tip is 0.011"–0.015" and pressure 40–140 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 5–20% to the viscosity 20–45s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.

Drying times	80–100 g/m <sup>2</sup>	+23 °C	+50 °C
	Touch dry, after	20–30 min	10–15 min
	Dry to sand, after	3–4 h	30–40 min
	Dry to stack, after	24 h	60–70 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.

**Solids volume** Volume solids 49±2 %  
Weight solids 56±2 %

**Density** 1,0 kg/litre



## Merit 30

Product code 005 2703

MED Certificate  [VTT C 11165 15 14 Merit 30](#)


## Merit 30

### APPLICATION DETAILS

Application conditions	The surface to be treated has to be clean and dry. During application and drying the temperature of the air, the surface to be treated and the lacquer has to be over 18 °C and the relative humidity of the air below 70 %.
Preparation	Wood surfaces should be sanded with sanding paper P150–240. Primer surfaces should be sanded with sanding paper P240–400. All sanding dust must be removed before lacquering.
Priming	Merit Sanding, Merit 20, Merit 30 and Merit 80.
Surface treatment	Wood surfaces should be sanded with sanding paper P150–240. Primer surfaces should be sanded with sanding paper P240–400. All sanding dust must be removed before lacquering.
Mixing of components	Stir the lacquer carefully before use. Add 10 volume % of Hardener 006 2098. Thin the lacquer to the viscosity required. In case the lacquer mixture is used on the next day, add at least an equal amount of fresh mixture.  Do not use iron containers as mixing container. Instead use plastic, enamel or acid resistant steel containers.
Cleaning of tools	Thinner 1033 or 1027.
EU VOC 2004/42/EC-limit value	The Volatile Organic Compounds amount is 460 g/litre of paint. VOC content of the paint mixture (thinned 20 % by volume) is 520 g/l.

### HEALTH AND SAFETY LABELLING according to Regulation (EC) No. 1272/2008

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.

Safety data sheet	 <a href="#">MERIT 80, 30, 20 [GB-ENG]</a>
Thinner safety data sheet	 <a href="#">THINNER 1033 [GB-ENG]</a>
Hardener safety data sheet	 <a href="#">HARDENER 006 2098 [GB-ENG]</a>

The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes.

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