

MERIT 20, 30, 80

DESCRIPTION

A two-component acid catalysed lacquer.

EMISSION CLASSIFICATION

Fulfills the requirements of DIN-norm 55 666, formaldehyde content max. 0.12 mg/m³ air.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ An all-round lacquer with good filling properties.
- ◆ Recommended for furniture, doors and other similar wooden surfaces.
- ◆ Merit 30 has MED Approval (0575). It can be used for lacquering interior furniture and other wooden components inside the ships.

TECHNICAL DATA

Solids content

abt. 49 volume %, 56 weight %.

Specific gravity

1.0 kg/litre.

Mixing ratio and product codes

Lacquer	100 parts by volume	005 2701, 2703, 2704
Hardener	10 parts by volume	006 2098

Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (thinned 10 %)		Theoretical coverage
wet / one layer	theoretical dry film thickness	
90 g/m ²	40 µm	10 - 11 m ² /l

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

Pot life (+ 23 °C)

48 hours.

Application details

Application technique	Viscosity DIN4
Low pressure spraying	18 - 23 s
Airless spraying	25 - 30 s
Curtain coating	30 - 45 s

Drying times (110 - 120 g/m²)

	50 °C	70 °C
Dry to sand, after	30 - 40 min	20 - 30 min
Dry to stack, after	60 - 70 min	40 - 50 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.

Thinner

Thinner 1033 or 1027.

Cleaning of equipment

Thinner 1033 or 1027.

Gloss

DIN 67530, ISO 2813/60°	15 - 20	(005 2704)
	27 - 32	(005 2703)
	> 80	(005 2701)

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APPLICATION DETAILS

Application	<p>Stir the lacquer carefully before use. Add 10 volume % of Hardener 006 2098. Thin the lacquer to the viscosity required.</p> <p>Do not use iron containers as mixing container. Instead use plastic, enamel or acid resistant steel containers.</p> <p>In case the lacquer mixture is used on the next day, add at least an equal amount of fresh mixture.</p>
Application conditions	<p>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 %.</p>
VOC	<p>The Volatile Organic Compounds amount is 440 g/litre of paint.</p> <p>Maximum VOC content in ready to use paint (thinned 20 % by volume) is 524 g/l.</p>
HEALTH AND SAFETY	<p>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.</p> <p>A health and safety data sheet is available on request from Tikkurila Oy.</p>

lit110506/kit140509/005 2701, 2703, 2704, 006 2098