

# Merit Jahti 20

## DESCRIPTION

A one-component urethane-alkyd lacquer.

## PRODUCT FEATURES AND RECOMMENDED USES

- An all-round lacquer for interior and exterior use. Due to its UV-protective agent, the lacquer is very suitable for treating wooden boats
- Has a MED certificate and is thus accepted for painting interior ship surfaces. MED certified products are safe to use due to low flame-spread characteristics and not producing excessive quantities of smoke and toxic products
- Has excellent resistance to ordinary cleaning detergents and other common chemicals
- Good resistance to solvents, e.g. gasoline, turpentine, white spirit and methylated spirits. Does not resist strong solvents like toluene and its mixtures
- Resists lubricating oils and greases and animal and vegetable fats
- 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
- Recommended for boats, doors, windows and other wooden surfaces both indoors and outdoors

## TECHNICAL DATA

**Volume solids** 44±2%

**Weight solids** 52±2%

**Specific gravity** 0.9 kg/l

### Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
70–90 g/m <sup>2</sup>	30–40 µm	10–13 m <sup>2</sup> /l

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

### Drying times

70–90 g/m <sup>2</sup>	+23°C
Touch dry, after	3–4 h
Dry to sand, after	6–7 h
Recoatible, after	24 h
Fully cured and durability properties reached within 2 weeks	

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

**Gloss** Semi-matt.

**Color shades** Clear

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## APPLICATION INSTRUCTIONS

<b>Surface preparation</b>	<p>New untreated surfaces: Remove dirt and dust. Surfaces outdoors: prime with Valtti Base Priming Oil. Finewood surfaces: wash with Thinner 1050.</p> <p>Previously treated surfaces: Wash the surface with Maalipesu detergent and rinse thoroughly with water. Remove old loose lacquer with scraper. Sand (sandpaper with roughness P240–600) the whole surface. Remove sanding dust.</p>
<b>Recommended primers</b>	<p>Merit Jahti 20, Merit Jahti 80, Valtti Base.</p> <p>Priming of exterior objects must always be done with thinned Merit Jahti 80.</p>
<b>Application conditions</b>	<p>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 the product must be over +5°C and relative humidity of the air below 80%. Good ventilation is required to ensure optimal result.</p> <p>Do not apply the lacquer under direct sunlight or during moist and cold weather. Schedule varnishing so that the lacquer film has enough time to dry before the evening dew.</p>
<b>Application</b>	<p>Stir the product carefully before use.</p> <p>For brush application for priming new untreated surfaces thin the lacquer about 20–40% with Thinner 1050. Brush evenly a thin layer 2–3 times. For top lacquering thin the lacquer 0–20 % if necessary. Varnish previously treated surfaces directly with unthinned or slightly thinned lacquer 1–2 times. Sand (sandpaper with roughness P240–600) the surface lightly after each coat.</p> <p>For air–assisted airless spraying, the product is thinned approximately 0–25% to the viscosity 25–50s (DIN 4). Recommended nozzle tip is 0.009"-0.013" and 40–100 bar. Atomising air pressure should be about 1–3bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For conventional spraying, the product is thinned approximately 0–25% to the viscosity 25–50s (DIN 4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.</p>
<b>Thinners</b>	<p>Lakkabensiini 1050</p> <p>Thinner 1050.</p>
<b>Cleaning of equipment</b>	<p>Thinner 1050.</p>
<b>VOC</b>	<p>The Volatile Organic Compounds amount is 440 g/litre of paint. Maximum VOC content in ready to use paint (thinned 20% by volume) is 500 g/l. VOC 2004/42/EC (cat A/i) 500 g/l (2010)</p>
<b>HEALTH AND SAFETY</b>	<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 Oyj.</p> <p><b>For industrial and professional use only.</b></p>



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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.