**Merit Jahti 80**

**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
- Excellent resistance to ordinary cleaning detergents and other common chemicals. The lacquer also withstands abrasion very well
- It is very easy to apply the lacquer, as there is no need for a separate hardener
- The emission level of this product fulfills 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/m³ air
- Good resistance to solvents: gasoline, turpentine, white spirit and methylated spirits. Does not resist strong solvents like toluene and its mixtures
- Resists lubricating oils and greases, animal and vegetable fats
- Recommended for boats, floors, doors, windows and other wooden surfaces both indoors and outdoors

**TECHNICAL DATA**

**Volume solids** 43±2%

**Weight solids** 50±2%

**Specific gravity** 0.9 kg/l

<table>
<thead>
<tr>
<th>Recommended spreading amounts and theoretical coverage</th>
<th>Theoretical coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>wet 70–90 g/m²</td>
<td>dry 30–40 µm</td>
</tr>
</tbody>
</table>

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

**Drying times**

<table>
<thead>
<tr>
<th>70–90 g/m²</th>
<th>23°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch dry, after</td>
<td>3–4h</td>
</tr>
<tr>
<td>Dry to sand, after</td>
<td>6–7h</td>
</tr>
<tr>
<td>Recoatable, after</td>
<td>24h</td>
</tr>
</tbody>
</table>

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**
Gloss.

**Color shades**
Clear
**Merit Jahti 80**

**APPLICATION INSTRUCTIONS**

**Surface preparation**
- New untreated surfaces: Remove dirt and dust.
- Surface outdoors: prime with Valtti Base Priming Oil.
- Finewood surfaces: wash with Thinner 1050.
- 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.

**Recommended primers**
- Merit Jahti 80, Valtti Base.
- Priming of exterior objects must always be done with thinned Merit Jahti 80.

**Application conditions**
- The surface to be treated has to be dry i.e. the moisture content of the timber has to be below 20%. During application and drying the temperature of the air has to be at least +5°C and the relative humidity of the air below 80%.
- 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.

**Mixing components**
- Stir the lacquer carefully before use. Thin the lacquer to the viscosity required with Thinner 1050.

**Application**
- 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.

For air-assisted airless spraying, the product is thinned approximately 15–25% to the viscosity 25–50s (DIN4). Recommended nozzle tip is 0.009”–0.013” and 40–80 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 0–25% to the viscosity 20–50s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.

**Thinners**
- Thinner 1050.

**Cleaning of equipment**
- Thinner 1050.

**VOC**
- The Volatile Organic Compounds amount is 450 g/litre of paint.
- Maximum VOC content in ready to use paint (thinned 20% by volume) is 510 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 and professional use only.