

## AKVI TOPAS 20, 40

**DESCRIPTION** Waterborne polyurethane-acrylate lacquer.

**EMISSION CLASSIFICATION** The lacquer does not contain free formaldehyde and after drying it does not emit formaldehyde to the environment.

**PRODUCT FEATURES AND RECOMMENDED USES**

- ◆ A fast drying and durable waterborne lacquer for high demands in interior use.
- ◆ Suitable for furniture, doors, mouldings, floors and other wooden surfaces.

### TECHNICAL DATA

**Solids content** Abt. 32 % by volume, 34 % by weight.

**Specific gravity** 1.0 kg/litre.

**Product codes** 005 3868 and 005 3869.

**Recommended spreading amounts and theoretical coverage**

Recommended spreading amounts (unthinned)		Theoretical coverage
wet / one layer	theoretical dry film thickness	
120 g/m <sup>2</sup>	40 µm	8 - 9 m <sup>2</sup> /l

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

**Application details**

Application technique	Viscosity DIN4
Low pressure spraying	30 - 60 s
Airless spraying	30 - 60 s
Electrostatic spraying	30 - 60 s

**Drying times (100 - 120 g/m<sup>2</sup>)**

	20 °C	50 °C	70 °C	IRM
Dry to sand, after	20 - 60 min	5 - 15 min	2 - 5 min	2 - 3 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** Water or Akvi Thinner.

**Cleaning of equipment** Water.

**Gloss** ISO 2813/60°  
17 - 23 (005 3869)  
35 - 45 (005 3868)

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### APPLICATION DETAILS

<b>Application</b>	Stir the lacquer carefully before use. Avoid flotation. For spray application thin the lacquer with water or Akvi Thinner if necessary.
<b>Application conditions</b>	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 %.
<b>VOC</b>	The Volatile Organic Compounds amount is 130 g/litre of lacquer. Maximum VOC content in ready to use lacquer (thinned 10 % by volume) is 150g/litre.
<b>HEALTH AND SAFETY</b>	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 Oy.

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