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TECHNICAL INFORMATION

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## FOTECOAT 1069

For printing with inks containing water or solvents; ideal for plastisols, glass decoration and abrasive ink printing.

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### 1. Description

- Fast dual cure polymer screen emulsion; blue.
- Sensitizing with separate diazo powder: C2 for 1 kg set, C7 for 4,5 kg set.
- The ready to print screens can be post-exposed to increase the printing resistance.
- For longer runs a chemical hardening (catalyzing) is necessary.

### 2. Application advantages

- Solids content after sensitizing: 41%; before sensitizing 45%.
- Medium viscosity.
- Good transparency.
- Excellent water- and solvent resistance.
- Extra good flexibility.

### 3. Coating technique and stencil build-up

<u>Mesh</u>	<u>Coating</u>	<u>Stencil build-up</u>	
43-80 white	1/1	20 microns	coating trough
43-80 white	1/2	30 microns	lip with radius
77-55 white	1/2	18 microns	of 1,0 mm

### 4. Stencil quality

Thanks to the high solids content FOTECOAT 1069 produces a low Rz-value (flat stencil profile) coupled with excellent resolution.

**5. Storing**

- Unsensitized at 18-25°C: 1 year
- Sensitized at 20-25°C: 1 month
- Pre-coated screens stored  
in complete darkness at 20°C: 3 weeks

**6. Exposure**

5 KW Akticop 3500 S at 100 cm distance and 100 operating hours.

43-80 white	coating 1/1	90 seconds
43-80 white	coating 1/2	125 seconds
77-55 white	coating 1/2	70 seconds

7. **Chemical Hardening** (recommended for printing with water based inks)  
Recommended is FOTECHEM 2130. The hardener can be applied by the usual method. The penetrating and drying times recommended by the manufacturer should be kept to reach the best possible result.

**8. Stencil removal**

The usual chemical products are applicable; high pressure is necessary. Stencil removal is only possible, if the screen has not been hardened chemically.

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