

TECHNICAL INFORMATION

Küsnacht, June 2003

FOTECOAT 1068

Textile printing with inks containing water and solvents; ideal for plastisols, glass and ceramic printing.

1. Description

- Fast dual cure polymer screen emulsion; purple.
- 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%.
- High 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 1068 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 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.

FOTEC AG

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