

FOTECOAT 1833

For garment printing Designed for use with DLE (Direct Light Exposure for CtS)

1. DESCRIPTION

- ◆ Ready to use emulsion
- ◆ Blue, 45% solid content
- ◆ Resistant to plastisol, water based, sublimation and discharge inks
- ◆ Outstanding abrasion and humidity resistance
- ◆ Excellent print definition on any mesh

2. APPLICATIONS ADVANTAGES

- ◆ Resistant to discharge inks without adding Diazo or hardening with catalyst
- ◆ Exposes 8 times faster than Diazo or dual-cure emulsions
- ◆ Can be coated wet on wet without intermediate drying



3. COATING TECHNIQUE AND STENCIL BUILD-UP (COATING TROUGH .75 MM R)

Mesh	Coating	Stencil Thickness below mesh
120-34	1/1	6-7 μ m

4. EXPOSURE

- ◆ 1833 BLUE has high sensitivity to UV light and is suitable for use with DLE machines
- ◆ Many variables, such as lamp type and age, distance from lamp to screen, mesh type and coating thickness, can affect exposure time
- ◆ Perform an exposure test a exposure calculator (21 Step Sensitivity Guide) to determinate correct exposure time for a complete cure
- ◆ Ensure that all surfaces (emulsion, film and glass) are free of dust to minimize pinholes
- ◆ Contact the emulsion side of the positive with the substrate side of the screen and secure in position before placing the screen in a suitable vacuum frame
- ◆ Post expose with daylight or exposure lamp to produce a more water-resistance stencil!

5. STENCIL QUALITY

- ◆ Perfect mesh bridging is possible
- ◆ After wash-out the stencil is very hard and has low swell characteristics

FOTECO

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6. STORING

This ready-to-coat emulsion should be stored in a closed can, protected from direct a light. Protect also against freezing.

Condition	Service Life
Unsensitized, 18-25°C storage	2 years
Pre-coated screens in total darkness at 20°C	up to a week

7. STENCIL REMOVAL

Remove all ink residues immediately after printing with an appropriate solvent. All commercial decoaters can be used. A high pressure gun is recommended.

FOTECO offers several stencil removers:

- ◆ FOTECHEM 2004 liquid; FOTECHEM 2005 paste
- ◆ FOTECHEM 2042 concentrated liquid decoater (1:30) for machine decoating
- ◆ FOTECHEM 2048 is a more efficient liquid concentrate (1:30) for decoating
- ◆ FOTECHEM 2044 powder

The longer the exposure, the better the through-curing of the stencil. If necessary make a post exposure. Both render the decoating easier.

For the regeneration of the decoated mesh FOTECHEM 2080/2085 or 2089 can be used to remove all ink and emulsion residues; jet wash is necessary.

7. HEALTH & SAFETY

Before using, refer to appropriate material safety data sheet (MSDS).

SAATI S.p.A.

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