

FOTECOAT 1833

Universal Solvent & Water Resistant Photopolymer Emulsion For Textile Printing

1. DESCRIPTION

Resistant to all textile inks, incl. HSA water-borne & discharge inks.
Blue color, 45% solids content and high viscosity.

2. APPLICATIONS ADVANTAGES

High speed (8X) and suitable for use with both DLE and LED based CTS systems, as well as conventional exposure. Does not require chemical hardener when used for long run discharge printing, so screens are easy to reclaim

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

Mesh	Coating	Stencil Thickness below mesh
305-35	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

6. PACKAGING

Available in 1, 5 and 50 gallon containers.

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, 68-77° F storage	2 years
Pre-coated screens in total darkness at 68° F	up to a week

7. STENCIL REMOVAL

Standard reclaiming methods & equipment normally used to reclaim direct emulsion stencils can be used. Use Fotechem 2092 to remove ink residues. Apply Fotechem 2040 concentrated emulsion remover, diluted according to instructions, to remove the stencil. Use Fotechem 2086 haze remover to eliminate any stubborn stains or residues.

8. HEALTH & SAFETY

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



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