

FOTECOAT 1636

Economical Two-Part Emulsion For Textile Printing

1. DESCRIPTION

Highly water resistant emulsion for use with water-based & plastisol inks for garment printing. 42% solids & medium viscosity for easy coating on typical mesh counts used by garment printers.

2. APPLICATIONS ADVANTAGES

Can be hardened with Fotechem 2100 to further improve water resistance.

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

Mesh	Coating	Stencil Thickness below mesh
305-35	1/1	6-7 µm

4. EXPOSURE

- ◆ 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

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.

7. 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, 65-77° F storage	2 years
Pre-coated screens in total darkness at 68° F	up to a week

8. 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.

9. HEALTH & SAFETY

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

Dynamesh

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