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TECHNICAL INFORMATION

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FOTECOAT 1636

1. Description

- Fast, water resistant screen emulsion with separate diazo powder sensitizer for textile screen printing.
- Can be decoated with a high pressure water device.
- Light purple with good see-through.

2. Application advantages

- 40% solids content before sensitizing.
- Rather low viscosity (relatively thin).
- Suitable for all inks containing water only and no solvents.
- Simple to use with good resolution and high definition.

3. Coating technique and stencil thicknesses below the mesh

- It is recommended to let the sensitized emulsion degas during a few hours after sensitizing. Coat slowly with enough trough pressure against the mesh. This prevents air bubbles which could cause pinholes.
- The emulsion can be used for coating on an automatic coating machine.

<u>Mesh</u>	<u>Coating</u>	<u>Stencil thickness below the mesh</u>
43 T monofilament	1/1; + 2	10 μ
43 T monofilament	2/2	14 μ
77 T monofilament	2/3	16 μ
120 T monofilament	1/2	6 μ
120 T monofilament	2/3	11 μ
120 T monofilament	2/3; + 2	13 μ

7. Decoating

- Remove ink first with adequate solvent as soon as possible after printing, then decoat.
- Add 5 litres of water to 100 gr of FOTECHEM 2044 remover powder
or
- use FOTECHEM 2005 paste with brush.
- FOTECHEM 2042 liquid concentrate is appropriate.
- Because of the hardness of the stencil the decoating medium should stand for 10 - 15 minutes on the stencil before it is washed-out. Under difficult conditions the removal operation has to be repeated.
- If decoating equipment is used a higher concentrated solution is necessary and a degreasing cycle before decoating is recommended.
- Ghost pictures can be removed with FOTECHEM 2085 (blend of emulsifying solvents) followed by FOTECHEM 2080 (high alkaline paste).

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