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TECHNICAL INFORMATION

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# FOTECOAT 1771

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## 1. Description

- Hard and fast screen emulsion with separate diazo-powder sensitizer for most solvent based inks.
- Blue color after exposure with high contrast.
- Ideal for humid and warm climates.
- Economic, biologically sound. No warning on the label.

## 2. Advantages for the application

- Rather thin emulsion for easy coating.
- Ideal for fine mesh numbers.
- Excellent resolution and definition.
- Excellent adhesion and anchorage to the mesh; a strong water or a mild high pressure spray can be used for wash-out.

## 3. Coating technique

- After sensitizing, the emulsion must stand over night for complete degasing. Coat slowly with strong pressure against the mesh: this helps to avoid pinholes.
- Machine coating is possible.
- To reach a flatter stencil profile, 1 or 2 additional coats on the print side can be applied after intermediary drying.
- To reinforce the stencil, an additional coat on the squeegee side is recommended. Increase the exposure time by 20 - 30%.

## 4. Shelf-life and storing

- Unsensitized: up to 1 year.
- Sensitized at 20°C: 4 - 6 weeks
- Coated screens can be stored in the dark at 20°C during 2 - 3 weeks.

## 5. Exposure times

5 KW metal halide lamp at 100 cm distance; iron charged high pressure burner at 100 hours burning time.

<u>Coating technique</u>	<u>Type of mesh</u>	<u>Time in seconds</u>
1/2	120 T white	35
1/2	120 T dyed	70
2/3	120 T white	40
2/3	120 T dyed	75
1/2	77 T white	50
1/2	77 T dyed	90

## 6. Decoating

- The longer the exposure, the easier the removal. FOTECOAT 1771 however undergoes a hardening by certain ink solvents. Therefore and depending on the ink used and the washing solvents, the decoating can be relatively easy or very difficult. A high pressure spray is recommended.
- Remove ink first with adequate solvent. Add 5 litres of water to 100 grams of FOTECHEM 2044 Remover powder or use FOTECHEM 2005 with brush.
- FOTECHEM 2004 liquid is also recommended as a ready-to-use decoater.
- Let stand for 10 - 15 minutes before hosing off.
- In automatic decoating equipment a high concentration of remover should be used and a degreasing cycle before the removal.
- To clean the mesh from ghost pictures, use FOTECHEM 2085 (solvent) coupled with FOTECHEM 2080 paste (high alkaline content).

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