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TECHNICAL INFORMATION

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# FOTECOAT 1772

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## 1. Description

- High definition screen emulsion with separate diazo-powder sensitizer for most solvent based inks.
- Available undyed with separate purple dye or as purple emulsion.
- Available for extra short exposure (with C33 diazo-powder) or for standard exposure with C8J sensitizer. Denomination short version: FOTECOAT 1772 FAST.
- Biologically sound, qualified as harmless chemical. No warning symbol on the label.

## 2. Advantages for the application

- Medium viscosity for most polyester and steel mesh numbers.
- Ideal for extra high definition and excellent wet hardness.

## 3. Coating technique

- After sensitizing, the emulsion must stand over night for complete degassing.
- Manual or machine coating is possible.
- To reach a flatter stencil profile (lower Rz-value), 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% in such a case.

## 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 time

- A step wedge is recommended to establish the correct exposure time with the type of emulsion and the type of sensitizer.
- The quantity of separate dye added to the emulsion by the operator influences slightly the exposure time.
- The FOTECOAT 1772 FAST version (purple) sensitized with C33 diazo is approximatively 30% faster than the standard version FOTECOAT 1772 sensitized with C8J sensitizer.

**6. Packaging**

Only 4,5 kg sets are available. 6 sets in 1 export case.

**7. Decoating**

- The longer the exposure, the easier the removal.
- The standard stencil removers like FOTECHEM 2044 (powder), FOTECHEM 2005 (paste) FOTECHEM 2004 (liquid, ready to use) or FOTECHEM 2042 (concentrated liquid for dilution with 30 parts of water) can be used.
- For ghost picture removal we recommend the use of FOTECHEM 2089 gel. See separate Technical Information for this product.

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