

# FOTECOAT 1830

SPT SALES +  
MARKETING GMBH

FOTECO REMCO SAATI

## Fotopolymer Emulsion for printing water- and solvent-based inks

### 1. DESCRIPTION

- Ready-to-use photopolymer emulsion
- Red, medium viscosity, 47% solid content
- Exposure time of **FOTECOAT 1830** is about 50% slower compared to **FOTECOAT 1833** and therefore the resolution is accordingly higher.
- Resistant to plastisol, water- and solvent-based, UV-, sublimation- and discharge inks
- Outstanding abrasion and humidity resistance
- Excellent print definition on any mesh

### 2. APPLICATION ADVANTAGES

- Resistant to discharge inks without adding diazo or hardening with catalyst
- Exposes 4 times faster than diazo or dual-cure emulsions
- Can be coated wet on wet without intermediate drying

### 3. COATING TECHNIQUE AND STENCIL BUILD-UP (TROUGH WITH 0.75 MM R)

Mesh	Coating	Stencil Thickness over mesh
71/55 PW	1/2	24 µm

- **FOTECOAT 1830** 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!

### 4. STENCIL QUALITY

- Perfect mesh bridging is possible
- After wash-out the stencil is very hard and has low swell characteristics

### 5. 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, 18-25°C storage	24 months
Pre-coated screens in total darkness at 20°C	1 week

### 6. STENCIL REMOVAL

All commercial decoaters can be used. A high pressure gun is recommended. Stencil removal is only possible, if the screen has not been hardened chemically.

**FOTECO** offers several stencil removers:

- **FOTECHEM 2005** Paste
- **FOTECHEM 2042 S** decoater concentrate 1:30

Ghost images can be removed with **FOTECHEM 2089**.

### 7. HEALTH AND SAFETY

Before using, refer to appropriate Safety Data Sheet.