FOTECAP TOPAZ 4100 SERIES

SPT SALES + MARKETING GMBH

FOTECO REMCO SAATI

Standard Diazo Capillary Film

1. DESCRIPTION

- TOPAZ is available with dry film thickness of:
 18 μm (4118); 22 μm (4122); 25 μm (4125); 29 μm (4128);
 37 μm (4135); 52 μm (4150)
- TOPAZ is solvent resistant
- Coated on 75 μm clear polyester carrier.
 But 4135 and 4150 are coated on matt carrier.
- Sheets cut to size and standard width rolls are available.
- On demand roll widths can be adapted to the feeder of the automatic mounting equipment.

2. TECHNICAL ADVENTAGES

- · Easy to adhere for small and large stencil sizes
- It is important to choose the corresponding mesh number to the dry film thickness.
- TOPAZ can be used on white and dyed mesh, also on steel mesh. Avoid calendered meshes.
- All standard light sources for screen process stencil making can be used.

3. PROCESSING

- Degrease mesh thoroughly. Use degreaser/abrader
 FOTECHEM 2023 for new polyester mesh.
- Always apply, after degreasing, a wetting agent like FOTECHEM 2025 to ensure an even, uniform water film on the print side of the stencil. Or use the combined degreaser/wetting agent FOTECHEM 2002 Gel. Also available as concentrate (1:10 with water) FOTECHEM 2022.
- To print extra-long runs (object printing etc.), apply one coat of FOTECOAT 1010 or similar onto the squeegee side of the stencil after drying the adhered film and before peeling the carrier and exposure; the exposure time increases 50%.
- TOPAZ can be used by the indirect/direct method to increase definition and stencil build up.
 The exposure time increases by approx.50%.
 The same emulsion as above can be used for adhering.

Exposure time

TOPAZ	Color	Mesh cm	Polyester white	Polyester yellow	Steel V2A 325
4118	light brown	120 - 180	40 s	55 s	75 s
4122	light brown	120 - 165	55 s	70 s	95 s
4125	light brown	90 - 165	60 s	80 s	105 s
4128	light brown	90 - 165	75 s	100 s	130 s
4135	blue-green	77 - 165	100 s	135 s	175 s
4150	blue-green	43 - 120	150 s	200 s	260 s

4. STORAGE

TOPAZ must be stored at controlled climatic conditions. Maximum shelf-life under best conditions is 12 months. **TOPAZ** is sensitive to high humidity and high room temperatures.

5. 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**.



Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. It is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of products for specific final application is exclusively your responsibility.

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