

# FOTECAP TOPAZ (4100 Series)

Diazo standard capillary film

## 1. DESCRIPTION

- ♦ TOPAZ is available with dry film thicknesses of 18 µm (4118), 22 µm (4122), 25 µm (4125), 29 µm (4128), 37 µm (4135) and 52 µm (4150)
- ♦ TOPAZ is solvent resistant
- ♦ Coated on 75 µm clear polyester carrier (4135 and 4150 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 ADVANTAGES

- ♦ Easy to adhere for small and large stencil sizes
- ♦ The corresponding mesh number to the dry film thickness is shown on the website [www.fotec.ch](http://www.fotec.ch) or in the brochure "FOTECAP Capillary Films"
- ♦ 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. For exposure times see the brochure "FOTECAP Capillary Films" or our CD "Exposure Calculator"

## 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 emulsion 1711 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 by 50%
- ♦ TOPAZ can be used by the indirect/direct method to increase definition and stencil build up. Exposure time increases by approx. 50%. The same emulsion as above can be used for adhering



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## 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. RECLAIMING

- ♦ All commercial decoaters can be used.
- ♦ FOTECO offers several stencil removers:
  - FOTECHEM 2004 liquid
  - FOTECHEM 2005 paste
  - FOTECHEM 2048 is an efficient liquid concentrate (1:30) for decoating
  - FOTECHEM 2044 powder (to be dissolved in water)

## 4. STORAGE

- ♦ Recommended is FOTECHEM 2089

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