

FOTECHEM 2034

Screen Process All Mesh Preparation Gel



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1. DESCRIPTION

Abrasive Mesh Prep & Degreaser for use on new monofilament mesh.

- ◆ Ready to use gel that spreads and rinses easily.
- ◆ Contains #500 micro grit that lightly abraded the surface on new mesh screens.
- ◆ Suitable for use with any emulsion or capillary film.
- ◆ Contains micro grit, degreaser & mesh wetting agent so can be used as a one step prep for new screens.
- ◆ Specially recommended to maximize adhesion & improve exposure latitude of one-part photopolymer stencil products.
- ◆ Use on synthetic mesh to improve tape test adhesion results.

2. DIRECTIONS FOR USE

- ◆ Degrease all meshes thoroughly, or
- ◆ Use on new mesh a combined abrader/degreaser (FOTECHEM 2034)
- ◆ Rinse carefully with a soft water spray
- ◆ Brush into the wet screen FOTECHEM 2034 liquid on both sides
- ◆ Let stand 1-2 minutes
- ◆ Rinse thoroughly, including the frame edges, from both sides with a soft water spray
- ◆ Keep the still wet screen in upright position
- ◆ Then use a very soft water spray from the squeegee side (to avoid dust/dirt particles on the emulsion/film side!) to form a water film by rewetting the print side with a soft flow-down of the water

3. HINTS

The use of FOTECHEM 2034 improves the adhesion of all FOTECAP capillary films and FOTECOAT emulsion.

To reach a perfect print result with capillary films, the following remarks should be considered:

- ◆ The coarser the mesh the more difficult it becomes to build up a continuous water film on the screen. Consequence: the coarser the mesh the more important it is to use FOTECHEM 2034. As a general rule, for all meshes below 120-34, FOTECHEM 2034 is needed.
- ◆ The finer the mesh the less water can be maintained in the open area of the screen. Consequence: on fine mesh the screen must be thoroughly and uniformly wet on the print side to ensure a pin-hole free adhesion. As a general rule, for all meshes over 120-34, a sufficient quantity of water must be applied by using a soft flow-down.

To avoid saw-teeth or insufficient adhesion, the dry film thickness of the FOTECAP must correspond with the mesh number and mesh type. Stencil thickness is directly related to mesh count and thread diameter of the mesh.

4. PACKAGING

Available in 1, 5 and 50 gallon containers.

5. HEALTH & SAFETY

No special measures are required.

The usual precautionary measures should be adhered to general rules for handling chemicals. For eye protection use safety glasses.

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