

Chemical Hardener

1. DESCRIPTION

- The chemical hardening (curing, catalyzing) of ready-to-print stencils results in permanent, no longer reclaimable screens. The stencil becomes more water resistant too.
- Depending on the type of emulsion and the type of **FOTECHEM** hardener the durability of the screen is more or less completed.
- Basically water resistant screens (for textile printing) are thoroughly and completely hardened after the treatment.
- Solvent resistant screens become water resistant
- Dual-cure (polymer) screens can undergo a negative effect by becoming brittle unless water based inks are used

2. DIRECTION FOR USE

- Only dual-cure screen emulsions with a content of acrylates can be post-exposed.
- This increases the ink suitability; the removal however does not become considerably difficult.

3. CHARACTERISTICS

FOTECHEM 2110

- Yellowish-brownish, contain a small amount of solids
- Does not need heat curing
- **FOTECHEM 2110** is ready-to use; with possibility for partial removal depending on type of emulsion when further reduced with 1 part water; would need pressure spray above 50 bar for removal.

FOTECHEM 2113

- Colorless, ready-to-use water based formulation
- Apply to both sides of the dry stencil by a sponge.
- Let dry. The stencil is ready to print.

4. PROCESSING

- **FOTECHEM 2110** and **2113** must only be used on polyester and steel mesh.
- Before the treatment the stencil must be thoroughly exposed, washed out and completely dry.
- Apply the hardener from both sides with a soft brush, sponge or rags.
- Never rub. Protect skin with gloves, wear goggles.
- To avoid clogging of the mesh use air pressure or blot from both sides with absorbing paper.
- **FOTECHEM 2110:**
After application wait for 5 minutes. Then use newspaper to blot the screen from both sides. Afterwards it is recommended to blow the stencil openings with pressure air. Then let dry thoroughly. Heat is not necessary for curing. As soon as the stencil is dry it is ready for printing.
- **FOTECHEM 2113:**
Let dry after the application of the hardener. Then the stencil is ready to print. To prevent clogging any residue of the hardener should be washed out with water.

5. HEALTH AND SAFETY, STORAGE

These products may be irritating if they come in contact with the skin or the eyes. Flush immediately with water and contact a physician. These are industrial products. Keep away from children.

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

When sealed in the original container and stored in cool conditions, **FOTECHEM** hardener will maintain original properties for 12 months from the date of manufacture.

Available in one and five liter containers.