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TECHNICAL INFORMATION

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FOTECHEM 2154

LIQUID LIGHT

This is an entirely new concept of a stencil making chemical. It helps to reduce the negative effects of underexposure and can be used with all FOTECOAT emulsions.

1. Description

- Colourless, hazard-free liquid, ready-to-use.
- It reacts with all screen emulsions by “completing” the underexposure.
- It is applied after the wash-out on both sides and prevents to a large degree pinholes and loss of mechanical resistance.
- The reclaiming (decoating) is not affected.
- Technically it permits to produce good stencils with underexposure by weak or multiple light sources on all meshes (including metal mesh) when printing fine dots or lines on white or dyed mesh.
- It is not a chemical hardener (catalyst) like FOTECHEM 2100, 2110, 2130 etc.

2. Use

- Wash-out as usual until the image area appears open, then stop washing.
- Now apply immediately FOTECHEM 2154 first from the squeegee side by letting it flow out and avoiding friction. A sponge or a soft brush can be used; spraying is also possible.
- Do the same on the print side of the stencil; both sides on the still wet screen.
- Let stand to react for maximum 30 seconds.
- Then rinse again both sides with plenty of water; the emulsion has hardened meanwhile and does no longer wash away. This prevents scumming.
- Dry stencil and make ready for printing as usual.

3. Hints

- The reaction of FOTECHEM 2154 with the emulsion is irreversible, therefore the wash-out before the application of LIQUID LIGHT must be properly done to avoid scum. The stencil becomes scratch-resistant.
- Stencil making services can produce harder and more resistant stencils.

4. Safety and Health

- Avoid contact with eyes and skin. In case of contact wash with plenty of water.
- Keep away from children.
- FOTECOAT 2154 is for industrial use only.

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