



QPX™

HIGH-SPEED, PURE PHOTOPOLYMER (SBQ) SCREEN EMULSION FOR PROJECTION-EXPOSURE.

QPX is an SBQ-photopolymer direct emulsion, intended for use with commercial projection-exposure equipment. It is recommended for the production of general large-format printing tasks, such as posters, outdoor advertising, and other large scale industrial applications. QPX is a ready-to-use, high solids emulsion that requires as few as one coat for a good printing edge, even on coarse fabric. QPX has excellent coating properties, ultra-fast exposure, good solvent resistance, and durability. As all SBQ-based products are presensitized, always work under yellow safe light conditions when handling this product.

INSTRUCTIONS

Handling:

QPX can be handled similarly to any other projection-speed direct emulsion. The recommended coating regimen for projection emulsions calls for one coat on the squeegee side of the screen (followed by exposure from the squeegee side). For improved definition we suggest a thicker coating, using either 1+1 or 2+2 coats on both sides of the screen. After multiple coatings, dry the screen in a ventilated area with the print side of the screen down (if possible). Although QPX has good solvent resistance, we do not recommend its use with very aggressive inks and wash-up solvents.

Exposure:

Exposure times for QPX will vary with the projector or light source used, as well as with the degree of enlargement required. Depending on the exposure source, exposure times range from 30 seconds to 6 minutes for 10X to 14X enlargements. Contact the light source or projector manufacturer for base exposure information. The correct exposure time for any given projector, light source, enlargement, or any other processing particular (such as coating technique, mesh count, and fabric color) is best evaluated by performing a Step Wedge Test. (Instructions for making a Step Wedge Test are available in the *Ulano Direct Emulsions Technical Data Booklet*.) Underexposure causes poor adhesion, mechanically weak stencils, and poor image reproduction, whereas overexposure reduces resolution.

Washout:

For best results, washout should be done with a gentle spray of water. Although the emulsion may appear soft at this stage, this does not detract from on-press durability later, after the stencil has dried. Dry QPX stencils thoroughly, and touch up if necessary. If QPX is used for touch-up instead of **Screen Filler No. 60** or **Extra Heavy Blockout No. 10**, re-expose the stencil.

Removal:

Remove ink residues from the screen with the ink manufacturer's recommended solvent. Degrease the screen with **Screen Degreaser Liquid No. 3** and rinse with water. Apply **Stencil Remover Liquid No. 4** or **Stencil Remover Paste No. 5** to both sides of the screen. Do not allow the stencil remover to dry on the screen. Rinse the screen thoroughly with a gentle spray of water, then with a strong water spray (preferably from a high-pressure washer).

QPX is a very fast exposing SBQ sensitized emulsion. Contact the projector manufacturer for base exposure information. A Step-Wedge Test is recommended for each magnification, mesh count, and mesh color.
