

POLYCOL® Z 560 CTS

One-component emulsion, solvent and water resistant

POLYCOL Z 560 CTS is used for the production of high-quality, solvent and water resistant stencils. Good resolution and excellent mesh bridging make it suitable for the use in Computer-to-Screen (CTS) and projection exposure units for the printing large half-tone posters. POLYCOL Z 560 CTS is water and solvent resistant and therefore highly suitable for textile printing as well as graphic screen printing.

- SENSITIZING** Not applicable, as ready-to-use.
- DEGREASING** Before coating it is recommended to clean and degrease the screen mesh to achieve reproducible coating results. Ensure proper tension of the screen mesh. Use manual degreasers of the PREGAN range or KIWOCLEAN degreasing concentrates for automatic units (see separate technical information). After thorough rinsing with water and drying the screens are ready for coating.
- COATING** Coating can be done manually or by machine. The use of a coating machine with integrated IR-dryer is especially recommended because it permits the equalization of the mesh structure with a comparatively thin coating.
- DRYING** The screen must be dried thoroughly before exposing to achieve the highest ink resistance. This should preferably be done in a dust-free drying-chamber with fresh-air inlet at temperatures of between 35-40°C. In case of large sized screens which do not fit into the drying chamber, at least increase the room temperature (e.g. with an electric heater) and ventilate the humidity.
- EXPOSURE** The stencil is created by UV-light hardening of the non-printing stencil parts. Expose with blue actinic light at a wave length of 320 - 420 nm. Most suitable exposure sources are metal halide lamps or digital exposure units (CTS).
- Due to the variation of exposure units trials for the determination of the correct exposure time are essential. Please contact the machine manufacturer or ask KIWO for advice.
- RETOUCHING/
BLOCKING-OUT** For retouching / blocking-out use products of the KIWOFILLER range. When printing with aqueous inks, preferably use water based products. These dry water resistant and can be removed with PREGASOL products and a high pressure water washer. Ask your KIWO distributor or KIWO direct for advice.
- DECOATING** In general, stencils made using POLYCOL Z 560 CTS can easily be decoated with PREGASOL products.
- Use a PREGAN post-cleaner to remove possibly remaining ink residue or so-called ghost images which may remain on the screen after decoating. Trials are essential as the type of residue may vary. Please make tests and ask for samples.

NOTICE

Please note that the printing resistance of a screen printing stencil is influenced by a lot of parameters e.g. mesh, coating technique, drying, exposure time etc. Furthermore, a lot of printing media and printing machines are being used in practice which have not all been tested by us. Therefore, please accept our offer and test the suitability of our products by asking for emulsion samples, as we can only guarantee for a constant quality according to our own working conditions.

COLOUR

Blue

VISCOSITY

Approx. 1.500 mPas (DIN 53019, D = 100 s⁻¹, 23°C)

**HEALTH HAZARDS/
ENVIRONMENTAL
PROTECTION**

Please follow further information given in the material safety data sheet.

STORAGE

1 year (at 20 - 25°C). Protect against freezing.

Screens coated in advance: at least 4 weeks (at 20°C and in complete darkness). Dry again prior to copying.