

Autotype Autosol Neptune

Pre-sensitised Photopolymer Emulsion for Textile, garment & POP applications

Description

Autotype Autosol Neptune is a very fast, blue One-part photo emulsion, especially recommended for the Textile and POP graphic industries and is resistant to water based, & plastisol inks.

Autotype Autosol Neptune is highly light sensitive. It should be handled in subdued or yellow safelight conditions. Autotype Autosol Neptune is delivered without Diazo, - Ready-to-use. Before use, it is recommended to give it a brief stir.

Physical Data

Solids: 36 %
Viscosity: 6000 cPs (+/- 1000 cPs).
Color: Blue.
Density: 1,05

Coating

Before coating, the screen must be clean and degreased with Autotype UMP or CPS Degreaser.

Autotype Autosol Neptune can be coated by hand or automatic coating machine. For a good result on coarse meshes, it is recommended with one coat on the under side and one coat on the upper side (Squeegee) side.

Drying

Leave to dry in a horizontal position, squeegee side up, in a dark or yellow light area. The drying temperature should not exceed 35°C (95°F). The drying area should have good ventilation to avoid humidity.

Exposure Guidelines

110 tpi mesh / white, 1 + 1 : 5 seconds. (Metal-halide / 5 kW).

Correct exposure times are important in good stencil making, and because of many different types of lamps and conditions, an exposure test is very important before use. The stated exposure time can only be used as a starting point for an exposure test. When using coarser mesh normally longer exposure time is necessary, and when using finer mesh normally shorter exposure time is necessary.



It is recommended to use slightly longer exposure times on colored meshes. When using exposure-equipment with lower power, longer exposure time shall be used. As an indication, the exposure times are proportional with the power of the lamp.

Developing

After the correct exposure, the stencil must be developed in cold or lukewarm water (not above 35°C / 95°F). Rinse the stencil on both sides until the open areas look clean and all excess unexposed photo emulsion has been removed. Soak up remaining moisture with an absorbent lint free cloth or chamois leather to speed up the drying. Leave to dry in temperature of not more than 40°C / 104°F. When dry, unwanted open areas should be masked out with CPS WR-Filler (Water-resistant) before use if water based inks are used or Autotype Ruby Block HV for plastisol inks.

Reclaiming

Autotype Autosol Neptune stencils are easy reclaimable with CPS Stencil Remover. It is recommended to use High pressure water spray for optimum results.

STORAGE

The emulsion should be stored between 3°C (38°F) and 20°C (70°F). Shelf life is 1 year when stored as recommended. Storage at higher temperatures will reduce shelf life.

Packaging

Autotype Autosol Neptune is sold in sealed plastic containers. Trade packs of 12 x 1 US quart, 4 x 1 US Gallon, 1 x 5 US Gallon and 1 x 50 US Gallon.

ENVIRONMENTAL

This product is a mixture of water dispersible pigmented polymers and does not contain phthalates. The polymers are polyvinylalcohol based photopolymers and/or plasticised polyvinylacetate with dispersed pigments and surfactants. This product does not contain any materials regarded as ecotoxic or contained on the EC Black/Grey lists. Tests have shown no inhibition of activated sludge at typical effluent concentrations and the product may be regarded as drain safe and biodegradable.

Revision 001

Note – All data contained herein is based upon limited testing of pre-production material and should not be taken as representative of the eventual mass produced product.

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