

KDCOAT SR

Technical Data Sheet

Description

KDCOAT SR is a solvent-resistant all-round diazo photoemulsion with good print durability, print quality and easy removal.

Physical data

<u>Solids:</u>	28 % (Sensitised: 25%)
<u>Viscosity:</u>	11000-13000 cPs (Sensitised: 7000-9000 cPs)
<u>Colour:</u>	Brown / violet
<u>Density:</u>	Approx 1.05

Coating

Before coating, the screen must be clean and degreased with KDSCREEN DEGREASER.

KDCOAT SR can be coated by hand or machine. For a good result on mid range and fine meshes, it is recommended to apply one coat on the print side and two coats to the 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 40°C. The drying area should have good ventilation to avoid humidity.

Exposure Guidelines

**CORRECT EXPOSURE IS ESSENTIAL FOR OPTIMUM STENCIL PERFORMANCE.
UNDEREXPOSURE WILL GIVE A WEAK STENCIL AND REDUCE RESISTANCE.**

Exposure times will be dependent on the particular projection unit used, magnification, mesh count and coating thickness.

To conduct a test exposure, 4 strips of masking film should be applied to the screen and removed at timed intervals. Correct exposure can be determined by hardness and "through cure" of the stencil, and resolution of required detail. When correctly exposed, emulsion should not be easily removed from the squeegee side of the stencil by rubbing with a finger.

We recommend the following as a guide in arriving at your best exposure time:

140 mesh / orange, 1 + 2 : **Approx. 40 seconds.** (Metal-halide / 5 kW).

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Developing

After the correct exposure, the stencil must be developed in cold or lukewarm water (not above 35°C). Rinse the stencil on both sides until the open areas look clean and all excess unexposed photoemulsion 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 temperatures of not more than 40°C.

When dry, unwanted open areas should be masked out with KDCOAT FILLER SR (solvent resistant) before use.

Reclaiming

KDCOAT SR stencils are easy reclaimable with KDSCREEN STENCIL REMOVER.

It is recommended to use high pressure water spray for optimum results.

In the interest of health and safety always wear appropriate protective clothing.

Read Safety Data Sheet for full protection information.