

KDCOAT PREMIUM ONE POT HS

Technical Data Sheet

Description

KDCOAT PREMIUM ONE POT HS is an ultra fast one-part photo emulsion for Direct Projection and is resistant to both solvent based inks and UV inks. KDCOAT PREMIUM ONE POT HS is highly light sensitive. It should be handled in subdued or yellow safelight conditions.

Please note that KDCOAT PREMIUM ONE POT HS is delivered without Diazo (ready-to-use).

Physical Data

Solids: Approx 22%
Viscosity: 7500 cPs (+/- 500 cPs)
Colour: Grey Blue
Density: Approx 1.2

Coating

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

KDCOAT PREMIUM ONE POT HS can be coated by hand or machine. KDCOAT PREMIUM ONE POT HS is intended for medium to fine mesh counts - between 90 and 165 threads/cm. For best results, it is recommended to apply one coat to the print side and one or two coats on 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 30°C. The drying area should have good ventilation to avoid humidity.

Exposure

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 (using double the time recommended in the table below). 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.

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

Exposure time (seconds) - based on White 120 mesh coated 1+1

Protection unit	Magnification	0	30	60	90	120	150	180	210	240	270
6 kW	8 x										
6 kW	10 x										
6 kW	12 x										

Developing

After the correct exposure, the stencil must be developed in cold or lukewarm water (not above 30°C). 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 temperatures of not more than 30°C.

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

Reclaiming

KDCOAT PREMIUM ONE POT HS stencils are easy reclaimable with KDSCREEN STENCIL REMOVER.

It is recommended to use soft water spray before 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.