

# KDCOAT PREMIUM ONE POT WR

## Technical Data Sheet

### Description

KDCOAT PREMIUM ONE POT WR is a very fast one-part photo emulsion, especially recommended for the Textile industry and is resistant to both water based inks and Plastisols.

KDCOAT PREMIUM ONE POT WR is highly light sensitive. It should be handled in subdued or yellow safelight conditions.

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

### Physical Data

Solids:	36%
Viscosity:	6000 cPs (+/- 1000 cPs)
Colour:	Blue
Density:	1.05

### Coating

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

KDCOAT PREMIUM ONE POT WR can be coated by hand or machine. For a good result on coarse meshes, it is recommended to apply one coat on the print side and one coat 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.

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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:

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

### 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 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 40°C.

### Reclaiming

KDCOAT PREMIUM ONE POT WR stencils is 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.*