

PROJECTION PLUS

FORMERLY DP-1395

FAST-EXPOSING PROJECTION EMULSION WITH EXCELLENT DEFINITION AND RESOLUTION, AND GOOD EXPOSURE LATITUDE; MINIMAL DOT GAIN; COMPLETE SOLVENT RESISTANCE

Projection Plus is a ready-to-use, fast exposing pure photopolymer (SBQ) projection emulsion. It has 29% solids content and is completely solvent resistant. It dries and washes out quickly, speeding production. Its advanced formula affords superior edge definition and resolution, good exposure latitude, and minimal dot gain. **Projection Plus** is red-orange in color, and can be used with almost all common wash-up solvents, including aggressive thinners.

INSTRUCTIONS

COATING:

Because of the solids content and thixotropic nature of **Projection Plus**, good stencils can be produced with just one coating on the squeegee side of the screen. For improved quality, coat the printing side of the screen, then on the squeegee side, wet-on-wet.

DRYING:

The screen should be dried in a dust-free drying cabinet with a filtered fresh air supply at a maximum temperature of 40° C. (100 degrees F.). The thixotropic nature of **Projection Plus** allows the screen to be dried in a vertical position without loss of print quality.

EXPOSURE:

Expose **Projection Plus** on the squeegee side of the screen. Metal halide-sourced projectors provide the best exposure for **Projection Plus**. As many variables affect the exposure, the only way to determine the optimum exposure time is by performing a Step Wedge Test. For the best stencil resistance, select the highest exposure time at which the finest details still resolve.

BASE EXPOSURE TABLE

(Approximate Exposure Time on White Fabric)

Type of Projector	Fabric/Coating	Enlargement	Exposure
Rachwal	156/in.(61/cm) 1 coat	13X	90 seconds
Proka	355/in.(140/cm) 1 coat	10X	40 seconds
Proka	355/in.(140/cm) 2 coats	6X	35 seconds
Opti-Copy	125/in.(49/cm) 1 coat	12X	150 seconds
Svecia	305/in.(120/cm) 1 coat	10X	280 seconds

EXPOSURE VARIABLE FACTORS

Fabric:

High Humidity: 1.3 – 1.8

Dyed = 1.5 – 2.0

Coarser than 120/cm = 1.1 – 2.0

Finer than 120/cm = 0.7 – 0.9

TOUCH-UP /BLOCK-OUT

We recommended **Screen Filler No. 60** or **Extra Heavy Blockout No. 10**.

RECLAIMING:

We recommended **Stencil Remover Liquid No. 4**, **Stencil Remover Paste No. 5**, **Stencil Remover Powder No. 44**, or **Stencil Remover Liquid Concentrate No. 42**. **Projection Plus** stencils are generally easy to reclaim.



Technical Data Sheet

PRODUCT FEATURES

Color: Red-Orange
Solids content: 29%
Viscosity: 4500 cps (at 25° C.)
pH: 4.3

HEALTH HAZARDS/ENVIRONMENTAL PROTECTION

Please refer to our Material Safety Data Sheet (MSDS)

STORAGE:

At normal room temperature: 18 months (protect from freezing)
Coated screens: 4 weeks (in a cool, dry, completely dark environment)

NOTE: During storage after coating, the emulsion can absorb moisture from the environment. Therefore, re-dry stored, coated screens prior to exposure.

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