



Silk Screen Printing Supply Products Information

(PRN11) Plastisol 3D Resin

PROPERTIES

(PRN11) Plastisol 3D Resin has been developed for the thickening luster finishing of printing made of Plastisol inks, such as PC, OC, EL series color inks etc...

(PRN11) is one kind of (polyvinyl chloride) Co-polymer hence it could be combined with any other Plastisol. Plastisol inks & gain glossy, higher transparent & thickening results, it could has super lustering, shiny, soft & elastic hand-touch results on printing fabrics.

INSTRUCTIONS FOR USE

Thinning and Cleaning

- Stir well before use.
- (PRN11) inks are supplied press ready and do not need to be thinned. However, they can be thinned by mixing with 2-3% Retarder 6032 or Thinner 2900 if required. Do not exceed this level as a higher percentage can result in reduced adhesion and opacity.
- PTN Flow Thinner (901) can be used to increase the ink absorption into the fabric and give the print a softer handle. Addition of PTN901 is not recommended when printing dark colored fabrics as a higher opacity is usually required.
- Cleaner C170 should be used to clean PTN from the screen. For heavy ink stains, Screensolve SSO-038 or Thinner 5099 can be used. Please refer to the relevant P.I. Sheets for more information.

Printing

- (PRN11) can be printed through a variety of solvent resistant stencils, such as Diazol Universal U99HB
- For printing screen mesh no. P43-80 to P61-64 is recommended. requires curing after printing each color, mesh counts. P21-140 to P43-80 are required to optimize individual color opacity. (See *"Drying and Curing"*.)
- Apply Spray Way SW82 or Dry stick AH388X all over the print table to firmly hold the substrate in place during printing.

Drying and Curing

Final Curing:

The temperature for convection oven stoving must be set at 150-170°C (300-340°F) for 2-3 minutes.

can only be dried through heat curing. The curing times will vary for different colors and due to differences in fabrics. For optimum printing results, the procedure below should be followed:

- For long/medium wave infra-red (IR) stoving, the temperature must be set at 150-170°C (300-340°F) for 30-60 seconds. For short wave IR stoving, the curing time is 15-20 seconds.
- For short wave IR stoving, the curing time for each color differs; black cures more quickly than lighter colors. These recommendations are only guidelines. Compatibility with each curing condition should be tested prior to printing.

Final Curing:

The temperature for convection oven stoving must be set at 150-170°C (300-340°F) for 2-3 minutes.

Metallic or colors Prints

(PRN11) you can be mixed with any PTN Plastisol Ink in the following proportions to produce 3 dimension prints:

(PRN11) Plastisol Ink: 80 parts (by weight)

PTN colors or Metallic powder: 20 parts (by weight)

Solvents

PTN901	Plastisol Flow Thinner
5099	Thinner
SSG17	Retarder

STORAGE

(PRN11) inks should be stored away from heat, between 5-25°C. And in a sealed container.