

Technical Data Sheet #302

Revised 09/09/08

Typical properties after adding 10% M00047 to a Plastisol Ink

Wet Ink Tack	Low
After Flash Tack	Low
Printability	Excellent for fast production
Surface Appearance	Ink dependent
Opacity/Viscosity	Ink dependent
Bleed Resistance	N/A
Gel Point/Flash Time	Ink dependent
Fusion Temperature	320°F (160° C)
Squeegee Hardness	Ink dependent
Squeegee Blade	Ink dependent
Squeegee Angle	45° to screen mesh
Underlay	Use ink plus additive
Emulsion	Capillary Film or Liquid Emulsion
Mesh Count	Ink dependent
Extender	N/A
Thickener	N/A
Storage	65°F to 95°F (18° C to 33° C) Avoid direct sun
Cleanup	Bio-degradable screen wash
MSDS	Call
Color Range	M00047 Foil Release
Substrate Type	100% Cotton
Substrate Color(s)	Light, Medium & Dark Colors

Specialty Additives

M00047 Foil Release Additive

Description

M00047 Foil Release Additive is designed to provide foil release characteristics to Rutland's plastisol ink allowing the printer to make multi-color designs with foil adhering to desired areas. By mixing M00047 into all layers of ink, the design can be applied to dark shirts and still provide foil release capability.

Features of M00047

M00047 Foil Release Additive

- Provides excellent foil release properties to Rutland's plastisol inks that have been properly cured.
- Can be used in various concentrations to maintain the integrity of the ink film
- Can provide foil release characteristics when printing both light and dark colored garments.

Application

Typical Use: It is recommended that user evaluate M00047 for fit for use in each application. Special attention should be given to **crook and wash testing** prior to use.

Mixing Procedure:

- Mix release agent into Rutland's Plastisol Inks at 1-10% (max), using a mechanical stirring device, such as a Turnabout™ type mixer or other low shear mechanical mixing devices. (hand stirring is not recommended)

Printing Procedure:

- Add M00047 to all Rutland Plastisol Inks where foil is not desired per the design
- Print foil release colors through normal printing technique (print-flash-print, etc.)
- Print Rutland's Foil Adhesive (NG0274) also known as X-Glue to all areas where foil is desired per the design
- Cure finished print at a minimum of 320°F (160°C) for a minimum of 75 seconds (results vary).
- Test for fit for desired use.
- Do not dry clean, bleach, or iron printed image.