

Technical Data Sheet #324

7/20/2009

Wet Ink Tack	Low
After Flash Tack	Low
Printability	Fast with no delays
Surface Appearance	Matte (soaks in)
Opacity/Viscosity	Clear/Low
Gel Point/Flash Time	160°F (71°C.)
Fusion Temperature	320°F (160°C.)
Squeegee Hardness	Hard
Squeegee Blade	Sharp
Squeegee Angle	45°
Squeegee Speed	High
Emulsion	All capillary films, direct or indirect liquid emulsions
Mesh Count	(230 mc in (90 mc cm))
Extender	N/A
Thinner	N/A
Thickener	N/A
Storage	65°F to 95°F (18° to 35°C). Avoid direct sun.
Cleanup	Bio-degradable screen wash
MSDS	# ES0000
Substrate Type	Cotton
Substrate Colors)	Light, Medium, & Dark fabrics

Claira™ NPT Soft Hand Specialty Ink

ES0000 NPT Ultra Soft Primer Clear

Description

ES0000 NPT Ultra Soft Primer Clear is designed to simplify stocking of multiple base plastisols. It functions as a multi-purpose product that gives you the ability to make subdued, soft hand colors on dark garments and extremely bright soft hand colors on lights. NPT Ultra soft Primer Clear is not a low bleed plastisol; therefore, it is not recommended for use on polyester/cotton dark fabrics.

Features

- Mix with M3 colors to reduce opacity and increase color clarity for light color garments.
- Mix with high tack plastisols to reduce tack and increase flow.
- Use as a Process Base, Curable Thinner and Extender
- Use as a "lint catcher", in the first position for un-interrupted production runs when printing on dark 100% cotton.
- Use as an "overcoat clear", to reduce fibrillation.
- Non-Phthalate formulation to comply with new regulations restricting phthalates.
- Excellent penetration into fiber when printing with fine mesh.

Application

- **Extender Base (reduce opacity and increase color clarity)**
Mix with opaque colors to reduce cost, opacity and increase color clarity. Extending colors also increases ink volume and decreases cost.
- **Curable thinner (reduce viscosity, increase flow)**
Mix with other NPT plastisol colors to reduce viscosity and allow ink to flow into the mesh opening.
- **Lint Catcher for dark fabrics (uninterrupted production)**
Create a single clear plate by combining all colors in an image to be printed on a dark 100% cotton fabric. Print Primer Clear (230 mc in (90 mc cm)) or higher mesh and then flash. Follow with all other colors in the design. ES0000 primes the fiber by pre-wetting prior to the application of the white underlay. Much of the lint that is normally attracted to the back of the white screen is picked up on the back of the primer clear screen, which allows for un-interrupted production runs.
- **Overcoat Clear to reduce fibrillation**
Create a single clear plate by combining all colors in an image to be printed on 100% cotton. Print all colors, flash, then print NPT Ultra Soft Primer Clear (230 mc in (90 mc cm)) over the top to seal fibers, reducing the amount of fibrillation seen after wash and dry cycles.

Note: Avoid over printing colors formulated with the 4449 yellow used in Rutland mixing systems as some color migration could result.

Special Recommendations

- **Do not dry clean, bleach, or iron the printed image.**
- **Note: This is not a low bleed ink. Do not print on polyester fabrics.**

Claira Colors™, bases, modifiers and additives should be mixed in clean vessels using clean mixer blades and utensils. Any contamination from other ink sources or non approved additives could make Claira Colors™ test positive for the restricted phthalates.

Rutland Plastic Technologies does not knowingly add plasticizers containing the phthalates listed and outlined in California Bill 1108, CPSC HR-4040 and Oeko-tex Standard 100. The plasticizers identified may include di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DnOP), (DIBP) Di-iso-butyl, and (DMP) Dimethylphthalate, including esters of ortho-phthalic acid and are not direct ingredients in the manufacture of Claira™ High Opacity Non-Phthalate Mixing System Inks and Claira™ Non-Phthalate Concentrate Mixing System Inks. Rutland Plastic Technologies does not test the final product for amounts of the aforementioned phthalate plasticizers and esters and encourages all users to conduct testing for their intended use.