



Allureglow™ Soft Hand Phthalate Free Photoluminescent Screen Printing Ink

Technical Data Sheet PS-2045

Wet Ink Tack	Low
After Flash Tack	Low
Printability	Fast with no delays
Surface Appearance	Glossy
Opacity/Viscosity	Transparent/Low
Gel Point/Flash	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	80-180 mc
Extender	N/A
Thinner	Plastisol Thinner
Thickener	Garamite 1958 or Equal
Storage	65°F to 95°F (18° to 35°C). Avoid direct sun.
Cleanup	Bio-Degradable Screen Wash
MSDS	PS-2045
Substrate Type	Cotton
Substrate Colors)	Light, Medium, & Dark Fabrics

Allureglow PS-2045 Ink is a Non-Phthalate Soft Hand Self Illuminating Ink. The PS-2045 is manufactured using only Phthalate Free Plasticizers and is compliant with all State and Federal Regulations concerning Phthalates.

PS-2045 Inks enable the screen printer to print on either light or dark 100% cotton garments. This ink can also be used on other fabrics and vinyls with the addition of an adhesive promoter additive.

PS-2045 Ink can be printed using mesh sizes as fine as 180 without sacrificing glow intensity or longevity. **Note:** The use of finer meshes will drastically reduce glow intensity and longevity. A single pass/flash/singlepass or a double pass is recommended with all colors for best results. Flashing between colors is optional but not required.

PS-2045 Ink can be thinned or thickened depending on the temperature and humidity at time of use. It is up to the technician to make this determination. For best results maintain the ink on the thicker side for better coverage, more vibrant colors, and higher glow intensity.

A white underprint is highly recommended on all dark garments. Use a compatible ink and flash cure prior to printing with any PS-2045 Inks. Note: Glow intensity and longevity will be greatly reduced if this process is skipped.

The use of a Lint Catcher or Overcoat Clear for dark fabrics will aid in uninterrupted production and reduce fibrillation. Create a single screen by combining all of the colors in the image to be printed on a dark 100% cotton fabric. Print using a suitable Primer Clear through a 230 mesh count and then flash cure.

Always mix inks well prior to use. Keep lids on containers to avoid contamination.

PS-2045 Can be used by itself or in conjunction with Allureglow's Colored Dispersion System to change daytime colors. Consult Color Dispersion Technical Data Sheet for recommended addition percentages.

Cure at 320°F (162°C) over a 60-90 second period, depending on oven type and thickness of ink deposit. A thicker deposit will take longer to cure as the heat must penetrate through the entire ink layer.

Clean-Up can be done using any Bio-Degradable Screen Wash.

Do not dry clean, bleach or iron printed images

Ink Base Glow Colors

	Green PS-2045-GG
	Aqua PS-2045-AG
	Blue PS-2045-BG
	Purple PS-2045-PG

Actual Daytime and Glow Colors will vary depending on the percentage of Dispersion Color added and the Photoluminescent Base Ink Color used.

Any application not referenced in this Technical Data should be pre-tested prior to any production run is begun.

Allure Glow International makes no representation as to the suitability of any given products; it is up to the end user to determine if the product is suitable for the given application.