



# Allureglow USA Glow in the Dark Discharge Screen Printing Ink

**"Don't be left in the dark"**

Technical Data Sheet DC-2045	
Wet Ink Tack	Tack Free
After Flash Tack	Tack Free
Printability	Excellent
Surface Appearance	Matte
Opacity/Viscosity	Low/Low
Fusion Time	90 seconds to 3 minutes
Fusion Temperature	320°F (160°C.)
Squeegee Hardness	70-80 Durometer
Squeegee Blade	Sharp
Squeegee Angle	45°
Squeegee Speed	Medium
Emulsion	All waterproof capillary films and liquid emulsions
Mesh Count	86-110 mc
Extender	Available Contact Allureglow
Thinner	Water
Thickener	Available Contact Allureglow
Storage	65°F to 95°F (18° to 35°C). Avoid direct sun
Cleanup	Wash with soap & warm water
MSDS	DC-2045
Substrate Type	100% Cotton
Substrate Colors)	All Medium and Dark Colors With Dischargeable Dyes

## Glow Colors



Green  
DC-2045-GG



Aqua  
DC-2045-AG



Sky Blue  
DC-2045-BG

Allureglow USA DC-2045 Ink is the only Glow in the Dark Discharge Ink on the market today. It's patent pending formulation gives the screen printer the ability to discharge print on all dark 100% cotton garments and achieve a wide variety of daytime colors, with glow in the dark at night. All of our products are suitable for thousands of hours of outdoor use.

Allureglow USA DC-2045 Ink can be printed using mesh sizes of 86-110.

Note: The use of finer meshes will drastically reduce glow intensity and longevity. Colors will look more faded when using finer mesh counts.

Use a water resistant emulsion or additive. Keep image area filled with ink. For extended non-printing times, mist water with spray bottle to prevent drying of the Screen and Ink. Do not allow ink to sit on the screen when not in use.

Use 5-6% Discharge Agent to activate the DC-2045 Ink, only mix enough ink that will be used in a 8 hour period. Always mix inks well prior to use. We recommend using a high speed mixer or drill motor with a dispersion blade. Hand mixing or turn-about is not adequate. Keep lids on containers at all times to avoid contamination and drying out of the ink.

We suggest misting the garment with water prior to final curing. This will improve the overall quality of the cure and will also help prevent burning on lighter colors.

Cure using a forced air type dryer at 320°F (162°C) over a 2 to 3 minute period, depending on dryer type and thickness of ink deposit. A thicker deposit will take longer to cure as the heat/air must penetrate through the entire ink layer too completely discharge the dye.

Storage: Stable up to 12 months prior to activating if stored below 100 degrees F (65 degrees C) in a closed container. Put a small amount of water on the top of the ink before lid is sealed to help avoid evaporation and the ink drying at the surface.

Allureglow USA DC-2045 Can be used by itself or in conjunction with Allureglow USA Color Concentrates to shift daytime colors. Consult Color Concentrate Technical Data Sheet for recommended addition percentages.

Clean Up & Disposal: Allow water to evaporate out of ink and dispose of dry material in accordance with federal, state and local regulations. Do not dispose of by means of sinks, drains, or in the immediate environment. Clean-Up can be done using any soap and warm water.

Do not dry clean, bleach or iron printed images.

The DC-2045 Inks are available in the following Container Sizes: Quarts, Gallons, Five Gallons, 30 & 50 Gallon Drums.

**Actual Daytime and Glow Colors will vary depending on the percentage of Color Concentrate added and the Glow in the Dark Base Ink Color.**

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

**Manufactured by Allureglow USA Allureglow USA makes no representation as to the suitability of any given products; it is up to the buyer to determine if the product is suitable for the given application. For more information contact: [info@allureglowusa.com](mailto:info@allureglowusa.com) or (888) 493-4569**