



# Allureglow USA

Don't be left in the dark

## Discharge Reflective Screen Printing Inks

### Technical Data Sheet DC-2045 Reflective

Wet Ink Tack	Tack Free
Opacity/Viscosity	Good/Low
Printability	Excellent
Surface Appearance	Shinny
Squeegee Hardness	70-80 Durometer
Squeegee Angle	45°
Fusion Temperature	340°F (170°C.)
Fusion Time	2 to 3 Minutes
Emulsion	Any Waterproof capillary films or Liquid Emulsions
Mesh Count	86-110 mc
Thinner	Water
Thickener	Contact Allureglow USA
Storage	65°F to 95°F (18° to 35°C). Avoid direct sun
Cleanup	Wash with Soap & Water
SDS	DC-2045
Substrate Type	100% Cotton
Substrate Colors	All Types of Colors With Dischargeable Dyes

Allureglow USA DC-2045 Reflective Ink is the only Reflective Discharge Ink on the market today. This unique formulation gives the screen printer the ability to Discharge Print on Any Color 100% Cotton Garments with Dischargeable Dyes and achieve a wide variety of Daytime Colors, which will Reflect when Light is Shined on them.

Use 4-5% Discharge Agent to activate the DC-2045 Reflective Ink, only mix enough ink that will be used in a 8 hour period. Allow Inks to sit 20-30 minutes after activating. 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.

Allureglow USA DC-2045 Reflective Ink can be printed using mesh sizes of 86-110. Note: The use of finer meshes will reduce reflectivity.

For Best Results use a Heavy Flood and Double Pass with High or Heavy Pressure

Use a water resistant emulsion. 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.

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 340°F (170°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.

Colors will fade slightly after washing.

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.

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 or Wash With Bleach

**Actual Daytime Colors will vary depending on the Color and Amount of Ink Used on the Print**

**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 or (888) 493-4569**

### Colors Available



**Actual Colors Will Vary Available in Quarts, Gallons and Five Gallon Containers**



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## **Testing Procedure for Reflective Inks**

*When determining if Allureglow USA Reflective Inks are suitable for your intended application, you will need to view the product using the following method:*

*Place the Printed Garment or Product 10 Feet away from you in a dark hallway or room. Standing straight in front 10 Feet away and using a fully charged flashlight, place the flashlight up between your eyes and move the flashlight back and forth slightly, you will see the light bounce back (reflecting back) at you.*



*Allureglow USA Reflective Inks have been developed to give maximum levels of reflectivity.*

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