



Allureglow USA

Don't be left in the dark

HS Series Photochromic Screen Printing Inks

Technical Data Sheet HS Series Photochromic

Wet Ink Tack	Low
After Flash Tack	Low
Printability	Fast with no delays
Surface Appearance	Matt
Opacity/Viscosity	Transparent/Low
Fusion Time	90-120 Seconds
Fusion Temperature	320-340°F 160-170°C
Squeegee Hardness	70-80 Durometer
Squeegee Blade	Soft
Squeegee Angle	45°
Squeegee Speed	Slow to Medium
Squeegee Pressure	Low to Moderate
Mesh Count	110-220
Emulsion	All capillary films & liquid emulsions
Thinner	Not Recommended
Thickener	Not Recommended
Storage	65°F to 95°F (18° to 35°C). No direct sun
Cleanup	Soap & Water
Substrate Types	Cotton, 50-50 Poly's and Stretch
SDS	HS-1000-PC

This Allureglow USA HS-1000-PC Ink is a High Solids Acrylic Waterbased Ink, that offers a very Soft Hand, User Friendly Screen Printing Ink, that Prints like a Plastisol Ink and Cleans up with Water. Allureglow USA HS-1000-PC Photochromic Inks enable the Screen Printer to print on either Light or Dark Garments. These Inks can be used as is, on 100% Cotton and with the use of our AG-CLA 100 Additive can be used on 50-50, Polyesters and Stretch Type Fabrics.

Directions and Helpful Information:

The Allureglow USA HS-1000-PC is a Single Component Ready to Use Ink, just mix it up and it is ready to use. Mixing should be done with a high speed drill or drill press using a Type 2 Dispersion Blade. Continue to mix Ink occasionally throughout production run.

When Using the AG-CLA-100 Additive, add 2-3% By Weight to the HS-1000-PC and Mix Thoroughly and Allow it to sit for 30 Minutes before Using. Only Mix enough Ink needed. Once Mixed the Ink needs to be used up in 8 Hours.

Keep lids on containers to avoid contamination of the Ink

For Best Results A Heavy Flood and Low to Moderate Squeegee Pressure on Automatic Presses and Heavy Flood and Low to Moderate Squeegee Pressure on Manual Presses is recommended. A Print /Flash/Print Method will achieve the Highest Glow Intensity and Best Results

Allureglow USA HS-1000-PC can be printed using 110-220 Mesh Screens depending on the color and amount of Visibility you are trying to achieve.

Cure Ink at a Minimum of 320°F (160°C) and preferable 340°F (170°C) Always Test Dryer Temperatures prior to and during production. Curing Time will be between 90 to 120 seconds, depending on amount of ink deposit and color of garment. For the Best Curing Results, a Forced Air Type Dryer should be used.








Always perform wash test prior to production, to ensure proper adhesion to the Fabric.

Clean-Up can be done using Soap and Water

For best long term durability wash in cold water on the delicate cycle and wash inside out. Do Not Use Bleach. Do Not Iron on Print. Line or Hang Dry.

To View: Take the Garment Outside in Sunlight. Note: Color will remain Visible after removing from Sunlight for Approximately 30 Minutes

Ink Colors Available

-  BLACK
-  BLUE
-  GREEN
-  ORANGE
-  RED
-  VIOLET
-  YELLOW

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

Manufactured By: Allureglow USA and Allureglow USA makes no representation as to the suitability of any given products; it is up to the buyer or user to determine if the product is suitable for the given application.

For additional information Call (888) 493-4569 or email: info@allureglowusa.com