Allureglow USA

Don't be left in the dark

Glow in the Dark Solventbased Screen Printing Inks

Technical Data Sheet SB Series Glow	
Wet Ink Tack	Tacky
After Drying	Tack Free
Printability	Excellent
Surface Appearance	Semi-Gloss
Opacity/Viscosity	Transparent
Dry to the Tocuch	30-45 minutes@70ºF (21ºC)
Curing Time	24 Hours
Squeegee Hardness	70-80 Durometer
Squeegee Blade	Medium
Squeegee Angle	45º
Squeegee Speed	Slow/Medium
Squeegee Pressure	Low
Mesh Count	86-180 mc
Emulsion	All waterproof capillary films and liquid emulsions
Thinner	Solvent
Thickener	DO NOT USE
Storage	65ºF to 85ºF (18º to 30ºC). Avoid direct sun
Cleanup	Eco-Solvent or Safety-Kleen
SDS	SB SERIES GLOW
Substrate Types	Flexible Vinyl, Rigid Vinyl, Styrene, Card Stock,

Ink Colors Available

- WHITE/AQUA
- WHITE/BLUE
- WHITE/GREEN
- BLACK
- BLUE
- GREEN
- MAGENTA
- ORANGE
- PINK
- RED
- VIOLET
- YELLOW
- GREEN GLOW BASE
- AQUA GLOW BASE
- BLUE GLOW BASE

Custom Colors Available

The Allureglow USA SB Series Glow in the Dark Inks are Premium Air Dry Solvent Based Reflective Screen Printing Inks, designed for Printing on Flexible Vinyl, Rigid Vinyl, Acrylic, Plastics, Styrene, Coated Papers, Coated Paper and Card Stock. These Inks look like conventional colors in normal light and have remarkable reflective properties when light is shined on it. This Ink is an excellent enhancement to any Print with its increased visibility.

Directions and Helpful Information:

All SB Series Glow in the Dark Inks are Ready to Use Inks, however it is extremely important that they be properly mixed prior 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 the Print Production Run.

Keep lids on containers to avoid contamination and drying of the Ink.

In warmer climates and environments, do not allow the Inks to sit idle on the Screens. If you must stop printing, Remove any excess Ink and Clean the Screen and Squeegee with Eco-Friendly Screen Cleaner/Opener or Press Wash to prevent screens from drying out and clogging up. Remember these are an Air Dry Type Ink.

Do Not Mix SB Series Inks With Any Other Inks or Color Concentrates

For Best Results: Use Lite to Medium Flood and Lite to Moderate Squeegee Pressure on both Automatic and Manual Presses

The SB Series Glow in the Dark Inks can be Printed using 86 to 160 Mesh Screens, depending on the color and amount of reflectivity you are trying to achieve and the Type of Screens, Emulsion and Emulsion Thickness you are using.

Drying & Curing Inks: Finished Prints should be placed on a Drying Rack to Dry for a total of 24 hours. The Inks are Dry to the touch after 30-45 minutes @70ºF (21ºC) Drying can be accelerated by Heat & Forced Air

Always perform adhesion test once Ink has Cured for 24 Hours.

Clean-Up can be done using Eco-Solvents or Safety-Kleen Tank

Testing and viewing can best be done in a dark room, after charging the print in sunlight for 10 minutes or under artificial light for 30 minutes. Always allow your eyes to adjust for a few minutes after entering the dark room.

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

"Don't be left in the dark"

Allureglow USA Testing Procedure for Glow in the Dark Inks

When determining if Allureglow USA Glow in the Dark Inks are suitable for your intended application, you will need to fully charge the Ink or Print Sample, by leaving it under artificial light (fluorescent) for approximately 30 minutes or in direct sun light for 10 minutes prior to going to bed. Leave the sample out on your night stand or in a place where it will be visible during the night with the lights off. You will find that the "Initial Glow" after removing the sample from the light source and placing it in darkness is extremely bright. This "Initial Glow" will then begin to reduce gradually over the next few hours until it becomes a visually stable "Afterglow". This "Afterglow" will remain much the same throughout the night, until the room becomes light again in the morning. It is this level of "Afterglow" that will determine if the Allureglow USA Product is suitable for your application. It is most likely that this period of glow is the period that you, the observer, will need to be able to see clearly.

It is important to realize that our eyes take a considerable amount of time to adjust to darkness. The normal time that this takes is around 20 minutes, however it may take substantially longer for some people with visual problems (i.e. Color Blindness). This makes it extremely important that the Photoluminescent products you choose, possess a high "Initial Glow" level and a long and bright "Afterglow".

A common mistake made by people viewing Photoluminescent products is that they will charge the product under light, take it immediately into a dark room and see that it is glowing very brightly (Initial Glow). They will leave the item in the dark room and return to the light. Some time later they will return to the dark room and find that they can no longer see the item glowing (Afterglow). The reason why this occurs, is that our eyes cannot adjust to the light or darkness that quickly. If the person then stays in the dark room, they will gradually begin to see the item glowing as their eyes adjust to the darkness.

Allureglow USA Products have been developed to give both optimum levels of "initial Glow" and very long and bright "Afterglow".

Allureglow USA makes no representation as to the suitability of any given products; it is up to the Buyer or End User to determine if the Allureglow USA Product is suitable for the given application.

(888) 493-4569
www.allureglowusa.com