AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN

ASI Glow-In-Dark / ASI Intense Kosmic Glow

ASI Glow-In-Dark and Intense ASI Intense Kosmic Glow produce a high intensity, phosphorescent, greenish glow-in-the-dark effect when exposed to light and viewed in a darken area. ASI Intense Kosmic Glow inks provide high intensity and maintain a long duration. ASI Glow-In-Dark inks provide high intensity for a shorter duration.

HIGHLIGHTS

- ASI Glow-In-Dark
  ASI Glow-In-Dark
- Produces a high intensity phosphorescent glow effect with long lasting afterglow
- Ready-for-use or tintable
- Excellent glow properties and wash durability
- Suitable for direct print or cold peel transfer application

PRINTING TIPS

- Stir inks before printing
- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results
- Best "glow" results when printed directly onto light colored fabric or over a light colored underlay when printing on dark fabric
- Intense Kosmic Glow is a state-of-the-art phosphorescent ink with maximum glow intensity and duration
- Tintable with plastisol colorants. See Pigment Loading section for suggested percentages. Limit the % colorant added to maintain best glow properties
- Avoid excess cure temperatures as this can damage the phosphorescent pigment
- For cold peel transfers on darks, use a coated release paper or polyester film. Print using 70 duro squeegee and recommended mesh counts, gel and then backed with light colored ink and followed by adhesive. Gel at 212°F (100°C) for 60 sec. Apply transfer with heat press at 340°F (170°C) for 10-12 sec at medium pressure. Verify process

COMPLIANCE

- Non-phthalate
- For individual compliance certifications and conformity statements, please visit www.avientspecialtyinks.com/services/compliance-support

PRECAUTIONS

The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications

RECOMMENDED PARAMETERS

Fabric Types
100% cotton, cotton blends, some synthetics

Mesh
Count: 86-160 t/in (34-62 t/cm)
Tension: 25-35 n/cm2

Squeegee
Durometer: 60/90/60, 70/90/70, 60-70
Profile: Square, Sharp
Stroke: Medium flood, Medium stroke
Angle: 10-15%

Stencil
2 over 2
Off Contact: 1/16" (.2cm)
Emulsion Over Mesh: 15-20% or 35-70 microns

Flash & Cure
Flash: 220°F (105°C)
Cure: 320°F (160°C)

Pigment Loading
up to 5% Wilflex PC
up to 5% Wilflex EQ
up to 5% Wilflex MX/RIO
upto 5% Rutland C3 Boosters

Additives
ASI Curable Reducer - 5% max

Storage
65-90°F (18-32°C)
Avoid direct sunlight
Use within one year of receipt

Clean Up
Dispose unused ink responsibly. Standard plastisol cleaners, press wash, or ink degradant

Health & Safety
Find SDS information here:
www.avient.com/resources/safety-data-sheets
or contact your local CSR

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