



AVIENT SPECIALTY INKS

ASI Reflectives

ASI Reflectives are retro-reflective inks with enhanced visibility for fashion and novelty type designs. ASI Reflectives, when exposed to a focused beam of light will reflect light back to the light source.

HIGHLIGHTS

- ASI Reflective Base
ASI Reflective Clear
ASI Reflective Platinum
- Excellent adhesion to fabrics, good post-wash reflective response
- State-of-the-art reflectivity on light and dark garments
- Suitable for fashion and novelty print designs
- Ready-for-use or tintable. One part formulation

PRINTING TIPS

- Stir inks before printing
- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results
- ASI Reflective Base is a clear reflective base that can be printed as is or tinted. ASI Reflective Clear is a clear reflective ink pre-tint to a light gray color. ASI Reflective Platinum combines reflective media and metallic flakes for a silver reflective appearance and a gray print.
- For best reflective properties, print ImageBrite directly to open weave fabrics. Direct printing allows the ink to sink into the fabric leaving the reflective media on top for brilliant reflectivity
- ASI Reflectives are not recommended on tightly woven fabrics such as nylon or printed over an underbase as this will diminish the reflectivity properties
- Proper ink deposit is critical to achieve best reflectivity results. Recommend using single print with single or double stroke and proper mesh counts. Pre-test suitability for reflectivity, opacity and durability before production
- ASI Reflective inks work well on dark fabrics but are not highly saturated. The color under normal lighting will vary with the fabric color
- It is recommended to outline images printed with ASI Reflective Base or Clear with a white or contrasting color for the design to be visible in all light levels
- ASI Reflective Base can be tinted with plastisol colorants. See Pigment Loading section for suggested percentages. Limit the % colorant added to maintain best reflectivity
- For best care, hand wash or machine wash on cold cycle with garment inside-out Label garments with suggested wash instructions

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



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INKS

V1.19 (Modified: 06/05/2025)

PRODUCT INFORMATION BULLETIN



RECOMMENDED PARAMETERS



Fabric Types

100% cotton, cotton blends, some synthetics



Mesh

Count: 110-160 t/in (43-62 t/cm)
Tension: 25-35 n/cm2



Squeegee

Durometer: 70/90/70, 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%



Flash & Cure

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



Pigment Loading

up to 2% Wilflex PC
up to 3% Wilflex EQ
up to 5% Wilflex MX/RIO
upto 3% 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 degreasant



Health & Safety

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

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