

# **AVIENT SPECIALTY INKS**

#### PRODUCT INFORMATION BULLETIN



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

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

#### RECOMMENDED PARAMETERS



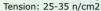
# **Fabric Types**

100% cotton, cotton blends, some synthetics



#### Mesh

Count: 110-160 t/in (43-62 t/cm)





#### 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 degradant



#### **Health & Safety**

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

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