AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN

INFINITE FX

ASI Liquid Metallics

ASI Liquid Metallics are a special effect with a very-fine metallic flake for an opaque, wet metallic chrome or gilded gold look with a smooth and soft feel. ASI Liquid Metallics are ready-for-use or can be tinted using plastisol colorants for a custom look.

HIGHLIGHTS

- ASI Liquid Silver
  ASI Liquid Rich Gold
  ASI Liquid Mirror Gold
  ASI Liquid Pale Gold
- Super-shine, silver chrome or gilded gold effect with smooth surface
- Ready-for-use or tintable
- Excellent adhesion to fabrics, and stretch properties
- Low-cure, save energy

PRINTING TIPS

- Stir inks before printing
- Use consistent, high-tensioned screen mesh to optimize performance properties
- For best results, use recommended mesh counts and print-flash-print
- Print direct to fabric or over a flashed-dried base plate. Use a suitable underbase when printing on garments prone to bleed
- Tintable with plastisol colorants. See Pigment Loading section for suggested tinting percentages. Adjust the % colorant added based on the strength of the colorants and color saturation desired
- Print liquid metallics in last position or flash after each print if using multiple screens
- Metallics reflect infrared heat and a forced air dryer is recommended for curing. If using an electric oven, extend dwell time to achieve proper cure
- Curing is a time and temperature process, a lower oven temperature setting with a slower belt speed while maintaining recommended ink cure temperature is always best to protect fabric, control dye migration and reduce energy consumption
- ASI Liquids can be cured between 270°F-320°F (132°C-160°C)
- Liquid Metallics may tarnish (turn gray) when exposed to detergent or water that contains bleaching or whitening agent. For best care, hand wash or machine wash on cold cycle with garment inside-out using a phosphate free detergent, then air or line dry. 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

RECOMMENDED PARAMETERS

Fabric Types

100% cotton, blends, some synthetics

Mesh

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

Squeegee

Durometer: 60/90/60, 60-70
Profile: Square, Sharp
Stroke: Hard 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: 270°F-320°F (132°C-160°C)
Entire Ink Film

Pigment Loading

up to 5% Wilflex PC
up to 10% Wilflex EQ
up to 15% Wilflex RIO / MX
up to 10% Rutland C3 Boosters

Additives

N/A

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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