



AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN



ASI Shimmer Metallics

ASI Shimmer Metallics are a special effect with a fine-medium size metallic flake for a brilliant shimmer effect with a smooth and soft feel. These shimmers are ready-for-use or can be tinted using plastisol colorants for a custom look.

HIGHLIGHTS

- ▶ Brite Gold Shimmer
- ▶ Pale Gold Shimmer
- ▶ Silver Shimmer
- ▶ Ultra Gold Shimmer
- ▶ Excellent adhesion to fabrics, stretch properties, and wash durability
- ▶ Brilliant metallic shimmer effect with smooth surface
- ▶ Ready-for-use or tintable

PRINTING TIPS

- ▶ Stir inks before printing
- ▶ Use consistent, high-tensioned screen mesh to optimize performance properties
- ▶ Print in last position or flash after each print if using multiple screens
- ▶ 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
- ▶ 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
- ▶ Can be mixed with other ASI HD bases or clears
- ▶ For cold-peel transfers, use a coated release paper or polyester film. Print using 70 duro squeegee and recommended mesh counts followed by adhesive. Gel at 212°F (100°C) for 60 sec. Apply transfer with heat press at 300°F (150°C) for 10-12 sec at medium pressure. For transfers on polyester, back with a low bleed white and/or blocker. Verify process.
- ▶ ASI Shimmer Metallics can be cured between 270°F-320°F (132°C-160°C)

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: 86-110 t/in (34-43 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 (132°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 degreaser



Health & Safety

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



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