



Infinite FX Liquid Metallics

Infinite FX 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. Infinite FX Liquid Metallics are ready-for-use or can be tinted using plastisol colorants for a custom look.

RECOMMENDED PARAMETERS

HIGHLIGHTS

- ▶ Liquid Silver | 10988
- ▶ Liquid Rich Gold | 80989
- ▶ Liquid Mirror Gold | 80222
- ▶ Liquid Pale Gold | 80220
- ▶ Super-shine, silver chrome or gilded gold effect with smooth surface
- ▶ Excellent adhesion to fabrics, and stretch properties
- ▶ Low-cure, save energy
- ▶ Ready-for-use or tintable

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



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
- ▶ Infinite FX 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



AVIENT
SPECIALTY
INKS

V1.11 (Modified: 10/11/2024)

2024, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.