AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN

2535 INFINITE FX PARTICLE BASE

Avient™ Specialty Inks INFINITE FX PARTICLE BASE is a crystal clear base specifically designed for printing glitter particles. The particle base allows for infinite creativity in designs and can be mixed with multiple colored glitter flake sizes. Infinite FX Particle Base is a low-cure special effect with excellent adhesion and wash durability.

HIGHLIGHTS

- Add glitter particles to base for infinite designs
- Tintable with plastisol colorants
- Excellent adhesion to fabrics, stretch properties, and wash durability
- Low-cure, save energy
- Use on various colored grounds and underbase for different effects

PRINTING TIPS

- Use consistent, high-tensioned screen mesh and sharp edged squeegees for best print results. Recommended mesh counts can vary depending on particle size
- Mix up to 15% glitter particles dependent on particle size and desired look, mix thoroughly. A particle size of .008" x .008" is a good recommendation
- 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
- 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 GLITTERS can be cured between 270°F - 320°F (132°C - 160°C)
- Can be mixed with other Infinite FX 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.

COMPLIANCE

- Non-phthalate
- For individual compliance certifications and conformity statements, please visit www.avientspecialtyinks.com/services/compliance-support

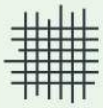
PRECAUTIONS

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: 24-61 t/in (9-24 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 degradant

Health & Safety

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

AVIENT SPECIALTY INKS

V1.00 (Modified: 05/14/2021)