

AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN



2430 INFINITE FX SE GEL CLEAR

Avient™ Specialty Inks INFINITE FX SE GEL CLEAR is used to print effects with high gloss surface such as gel, water or the appearance of glass. SE Gel Clear is a low-cure special effect with excellent elongation and wash durability.

HIGHLIGHTS

- ▶ High gel, gloss appearance, tack feel
- ▶ Low cure, save energy
- ▶ Use as a High Density Clear, either on its own or tint with color
- ▶ Use as an overprint clear to enhance color vibrancy and create gloss surfaces
- ▶ Excellent adhesion to fabrics, stretch properties, and wash durability

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
- ▶ For best HD results, use open mesh counts with 200 - 400 micron capillary film and print-flash-print. Use a heavy flood to fully fill the open areas of the stencil with ink then print with medium squeegee pressure
- ▶ Print in last position or flash after each print if using multiple screens
- ▶ Commonly used to produce glossy wet or water drops effects
- ▶ 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
- ▶ 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 and reduce energy consumption
- ▶ INFINITE FX SE Gel Clear 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, spandex, uncoated nylon, acrylic

Mesh



Count: 24-110 t/in (9-43 t/cm)
Tension: 25-35 n/cm²

Squeegee



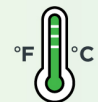
Durometer: 60/90/60, 60-70
Profile: Square, Sharp
Stroke: Hard flood, Slow stroke
Angle: 10-15%

Stencil



2 over 2
Off Contact: 1/16" (.2cm)
Emulsion Over Mesh: 15-20% or 200-400 micron

Flash & Cure



Flash: 220°F (105°C)
Cure: 270°F - 320°F (132°C - 160°C)

Pigment Loading



upto 10% Wilflex PC
upto 15% Wilflex EQ
upto 40% Wilflex RIO / MX
up to 30% 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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