

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

#### 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](http://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



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

#### RECOMMENDED PARAMETERS



##### Fabric Types

100% cotton, blends, spandex, uncoated nylon, acrylic



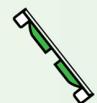
##### Mesh

Count: 24-110 t/in (9-43 t/cm)  
Tension: 25-35 n/cm<sup>2</sup>



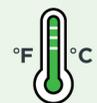
##### Squeegee

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 (132°C)  
Entire Ink Film



##### Pigment Loading

upto 10% Wilflex PC  
upto 15% Wilflex EQ  
upto 40% Wilflex RIO / MX  
upto 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](http://www.avient.com/resources/safety-data-sheets)  
or contact your local CSR