



### Infinite FX Brittle Inks


Infinite FX Brittle Inks are specifically formulated inks that have the ability to easily fracture and crack when pressure is applied to the surface. Distorting the surface through bending or stretching causes the ink to crack and fracture. Infinite FX Brittle Inks have a worn, tough finish that can resemble cracked paint or distressed appearance.

### RECOMMENDED PARAMETERS


#### HIGHLIGHTS

- 2582 Infinite FX Brittle Base
- 11000 Infinite FX Brittle White
- Excellent adhesion to fabrics and wash durability
- Tough and hard wearing effect for a cracked paint or vintage look
- Will not dry in the screen
- Tintable for infinite color combinations


**Fabric Types**  
100% cotton, cotton blends, some synthetics




**Mesh**  
Count: 86-110 t/in (34-43 t/cm)  
Tension: 25-35 n/cm<sup>2</sup>




**Squeegee**  
Durometer: 70/90/70, 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%




**Flash & Cure**  
Flash: 220°F (105°C)  
Cure: 340-350°F (170-175°C)




**Pigment Loading**  
up to 5% Wilflex PC  
up to 8% Wilflex EQ  
up to 30% Wilflex RIO/MX  
up to 8% Rutland C3 Booster




**Additives**  
2910 VISCOSITY BUSTER - 1% max  
2912 VISCOSITY BUSTER - 1% max



**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



#### 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
- Print in last position or flash after each print if using multiple screens
- Ink deposit is critical to achieve cracking results, use a print technique to assure a good ink deposit and test for suitability
- Print directly to fabric for best cracking results
- Tintable with plastisol colorants. See Pigment Loading section for suggested starting tinting percentages
- Cure between 340-350°F (170-175°C) and increase dwell time to assure cure and to achieve desired cracking effect
- After the print is cooled, "crack by hand" by stretching the printed area for a custom distressed look

#### 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



AVIENT  
SPECIALTY  
INKS

V1.07 (Modified: 10/01/2024)