AVIENT SPECIALTY INKS

PRODUCT INFORMATION BULLETIN

2582 INFINITE FX BRITTLE BASE

Avient™ Specialty Inks INFINITE FX BRITTLE 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. Brittle inks have a worn, tough finish that can resemble cracked paint or distressed appearance.

HIGHLIGHTS

- BRITTLE BASE | 2582
  BRITTLE WHITE | 11000
- Tough and hard wearing effect for a cracked paint or vintage look
- Tintable for infinite color combinations
- Excellent adhesion to fabrics and wash durability
- Will not dry in the screen

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

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, cotton blends, some synthetics

Mesh
Count: 86-110 t/in (34-43 t/cm)
Tension: 25-35 n/cm2

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
or contact your local CSR

AVIENT™ | AVIENT SPECIALTY INKS | V1.01 (Modified: 02/26/2024)