



AVIENT SPECIALTY INKS

ASI Brittle Inks

ASI 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. ASI Brittle Inks have a worn, tough finish that can resemble cracked paint or distressed appearance.

HIGHLIGHTS

- ASI Brittle Base
ASI 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

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



AVIENT
SPECIALTY
INKS

V1.14 (Modified: 06/04/2025)

PRODUCT INFORMATION BULLETIN



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

ASI VISCOSITY BUSTER - 1% max
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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 degreaser



Health & Safety

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