



Aquarius™ Brittle Base

RECOMMENDED PARAMETERS



Fabric Types

100% Cotton, blends or synthetic fabrics.



Mesh

Count: 86T-110T/in (34T-43T/cm)
Tension: 18-35n/cm3



Squeegee

60-90-60
Profile: sharp, square
Stroke: x2 stroke, medium speed
Angle: 15-20%



Stencil

Water Resistant Emulsion
Off Contact: 1/16" (2mm)
Emulsion Over Mesh: 15-20%



Flash & Cure

Flash: Not recommended
Cure: 90 seconds at 330°F (165°C)



Pigment Loading

Maximum 6%



Aquarius™ Additives

Aquarius™ Softener 1-5%
Aquarius™ Thickener 0.1-1%
Aquarius™ Retarder Gel 1-5%



Storage

Store in sealed containers 12 months
from manufacture >40°F (5°C)
<77°F (25°C)



Clean Up

Water & mild detergent



Health & Safety

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

Aquarius™ Brittle Base is a ready to use opaque base that produces distressed, cracked effects when pulled after curing.

HIGHLIGHTS

- Excellent wash durability
- Distressed crack effects
- Print directly to fabric for best effect

PRINTING TIPS

- Ready to use, but can be tinted with Aquarius™ Pigments up to 6%
- Use 86T-110T/in (34T-43T/cm) mesh
- Print with 1/16" or 2mm off contact
- Print/flash/print with 110T/in (43T/cm) mesh to ensure good deposit and cracking effect
- Print in last position or flash after each brittle print if using multiple screens
- Clean the stencil area when stopped to prevent screen blockages
- Prints should be cured at 330°F /165°C for 90 seconds. Check the cure temp at the ink surface.
- Test all prints for print durability before starting the production run.

COMPLIANCE

- Water based, non PVC, non phthalate
- Visit www.avient.com/products/screen-printing-inks/zodiac-aquarius for more information

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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