# AQUARIUS WATERBASED



# ZODIAC\* ECOCENTRIC INKS

#### PRODUCT INFORMATION BULLETIN

# 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 1-3%



#### 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 opaue 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

W 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



AVIENT SPECIALTY

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