# AQUARIUS WATERBASED



# ZODIAC\* ECOCENTRIC INKS

#### PRODUCT INFORMATION BULLETIN

# Aquarius™ Foilbinder

#### **RECOMMENDED PARAMETERS**



#### **Fabric Types**

100% Cotton, blends or synthetic fabrics.



#### Mesh

Count: 86-110T/in (34-43T/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: 180°-200°F (80°-94°C) Cure: 90 seconds at 330°F (165°C)



#### **Pigment Loading**

Not recommended



## **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

# HIGHLIGHTS

Excellent wash durability

Prints clear

Print directly to fabric for best effect

## **PRINTING TIPS**

Use 86-110T/in (34-43T/cm) mesh

Print with 1/16" or 2mm off contact

Print two strokes to ensure the mesh is clear and you have a good ink deposit

Aguarius™ Foilbinder is a thermoplastic foil adhesive for metallic foil effects.

Print in last position or flash after each 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

Apply foil on heat press. 300°F (150°C), 4 lbs of pressure for 10 seconds. Allow to cool before peel

Confirm wash temperature with foil supplier

# 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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