# AQUARIUS WATERBASED



# ZODIAC ECOCENTRIC INKS

#### PRODUCT INFORMATION BULLETIN

# Aquarius™ Pearlescent Range

#### **RECOMMENDED PARAMETERS**



#### **Fabric Types**

100% Cotton, blends or synthetic fabrics.



#### Mesh

Count: 60- 86T/in (20-34T/cm) Tension: 18-35n/cm3



#### Squeegee

Durometer: 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**

Find SDS information here: www.avient.com/resources/safetydata-sheets or contact your local CSR Aquarius™ Pearlescents are ready to use pearlescent effect pastes available in Gold, Silver and neutral.

#### **HIGHLIGHTS**

Excellent wash durability

Produces pearlescent effects

Print directly to fabric for best effect

#### **PRINTING TIPS**

Ready to use, but can be tinted with Aquarius™ Pigments up to 6%

Use 60- 86T/in (20-34T/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

Print in last position or flash after each pearlescent 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 color fastness and 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



AVIENT SPECIALTY

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