# AQUARIUS WATERBASED



### ZODIAC\* ECOCENTRIC INKS

#### PRODUCT INFORMATION BULLETIN

#### Aquarius™ Metallic Silver and Gold

#### **RECOMMENDED PARAMETERS**



#### **Fabric Types**

100% Cotton, blends or synthetic fabrics.



#### Mesh

Count: 60- 86T/in (20-34T/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

## HIGHLIGHTS

Excellent wash durability

Produces metallic 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

Aquarius™ Metallics are ready to use metallic print pastes available in Silver and Gold.

Print in last position or flash after each metallic 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

V1.00 (Modified: 10/15/2020)

2020, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales represententive for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES, OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.