# AQUARIUS WATERBASED



# ZODIAC\* ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

# **Aquarius™ Plus Puff Base**

#### **RECOMMENDED PARAMETERS**



### **Fabric Types**

100% Cotton, blends or synthetic fabrics.



#### Mesh



Count: 86-110T/in (34-43T/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: 2-4 seconds at 180°-200°F

(80°-90°C)

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 6 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™ Plus Puff Base is designed to produce multiple textured effects

#### **HIGHLIGHTS**

- For puff, raised effect
- Excellent wash durability
- 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
- Print in last position or flash after each print if using multiple screens
- Clean the stencil area when stopped to prevent screen blockages
- Print directly to fabric for best effect & fastness properties
- → 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



AVIENT SPECIALTY

V4.55 (Modified: 01/20/2025)

2024, 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 representative 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 guaranties or guaranties erspecting suitability of reproducts or the information for your process or end-use application. Avoid not not 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.