# AQUARIUS WATERBASED



# ZODIAC\* ECOCENTRIC INKS

#### PRODUCT INFORMATION BULLETIN

# Aquarius™ 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

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 12 months from manufacture >40°F (5°C) <77°F(25°C)



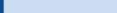
#### Clean Up

Water & mild detergent



#### **Health & Safety**

SDS: www.avient.com/resources/ safety-data-sheets or contact your local CSR



HIGHLIGHTS

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

Aquarius™ Puff Base is designed to produce multiple textured effects

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

Wisit 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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