

AQUARIUS™

WATERBASED



ZODIAC™ ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

Aquarius™ Particle Plus Base

RECOMMENDED PARAMETERS

Fabric Types

100% Cotton, blends or synthetic fabrics.



Mesh

Count: 30T-60T/in (12T-24T/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: 120 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/safety-data-sheets or contact your local CSR



Zodiac™ Aquarius™ Particle Plus Base is a clear water-based ink created for use with glitters and other particles.

HIGHLIGHTS

- Clear base to enhance glitter particles
- Excellent wash durability
- Can be tinted with Aquarius pigments up to 6%

PRINTING TIPS

- Mix up to 20% powders or flakes. Mesh selection is dependant upon particle size
- 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
- Prints should be cured at 330°F (165°C) for 120 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



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