



Aquarius™ Soft Density

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: 10-15%

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



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

Aquarius™ Soft Density is designed to produce raised textured effects based on stencil thickness. Lower stencil thickness will yield a lower build, while high density screens produce an higher more textured effect.

HIGHLIGHTS

- Soft textured prints using high density screens
- Can be tinted to custom colors with up to 6% Aquarius pigment
- Excellent wash durability

PRINTING TIPS

- Use 86-110T/in (34-43T/cm) mesh. Use up to 200 micron stencil for best build effects
- Print two strokes to ensure the mesh is clear and you have a good ink deposit
- Print with 1/16" or 2mm off contact
- 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 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



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