



Aquarius™ Foilbinder

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: 180°-200°F (80°-94°C)
Cure: 90 seconds at 330°F (165°C)

Pigment Loading



Not recommended

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™ Foilbinder is a thermoplastic foil adhesive for metallic foil effects.

HIGHLIGHTS

- Excellent wash durability
- Prints clear
- 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
- 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
- Apply foil on heat press. 300°F (150°C), 4 lbs of pressure for 10 seconds. Allow to cool before peel
- Confirm wash temperature with foil supplier

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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