

# AQUARIUS™

WATERBASED



ZODIAC™ ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

## Aquarius™ Foilbinder

### RECOMMENDED PARAMETERS



#### Fabric Types

100% Cotton, blends or synthetic fabrics.



#### Mesh

Counts: 86-110T/in (34-43T/cm)  
Tension: 18-35n/cm<sup>3</sup>



#### Squeegee

Medium: 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

MSDS: [www.polyone.com](http://www.polyone.com)  
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 [ZodiacInks.com/Aquarius](http://ZodiacInks.com/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