QUARIUS



ZODIAC* ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

Aquarius™ Bright Discharge ZF Range

RECOMMENDED PARAMETERS

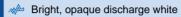


Fabric Types

100% Cotton Dischargeable fabrics

HIGHLIGHTS





Super soft hand feel



Mesh

Count: 80-230T/in (34-90T/cm) Tension: 18-35n/cm3

Prints wet on wet for multicolor discharge prints

maintaining a super soft flexible hand.

Discharge base for intense bright colors



Squeegee

Durometer: 60-90-60 Profile: sharp, square

Water Resistant Emulsion Off Contact: 1/16" (2mm)

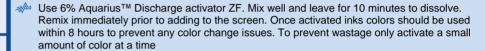
Emulsion Over Mesh: 15-20%

Stroke: x1 stroke, medium speed

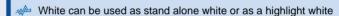
Angle: 10-15%

Stencil

PRINTING TIPS



Aquarius™ Bright Discharge ZF range consists of a high opacity soft hand discharge white and a soft, bright discharge base. Designed to achieve bright discharge white and colors whilst





Flash & Cure

Flash: Not recommended Cure: 90 seconds at 330°F (165°C)

- Colors should be made in accordance with Aquarius™ IMS Pantone® mixing system with a maximum of 6% pigment loading to ensure crock performance is maintained
- ✓ Use 86-230T/34 (34-90T) mesh for best performance and color brightness.



Pigment Loading

Maximum 6%

Print with 1/16" or 2mm off contact. Print one stroke

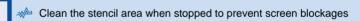




Aquarius™ Additives

Aquarius™ Discharge Activator ZF 6% Max

Aquarius™ Softener 1-5% Aguarius™ Thickener 0.1-1% Aquarius™ Retarder 1-3%



→ Prints should be cured at 330°F/165°C for 90 seconds. Check the cure temperature at the ink surface

Test all prints for color fastness and print durability before starting the production run



Storage

Store in sealed containers 12 months from manufacture >40°F (5°C) <77°F(25°C)

COMPLIANCE

Water based, non PVC, non phthalate

Visit www.avient.com/products/screen-printing-inks/zodiac-aquarius for more information



Clean Up

Water & mild detergent

Health & Safety

PRECAUTIONS



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