QUARIUS



maintaining a super soft flexible hand.

Bright, opaque discharge white

ZODIAC** ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

Aquarius™ Bright Discharge ZF Range

Super soft hand feel

RECOMMENDED PARAMETERS



Fabric Types

100% Cotton Dischargeable fabrics





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

Mesh

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

prints

Discharge base for intense bright colors

Prints wet on wet for multicolor discharge



Squeegee

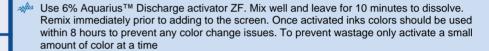
Durometer: 60-90-60 Profile: sharp, square

Stroke: x1 stroke, medium speed

Angle: 10-15%

Stencil

PRINTING TIPS





White can be used as stand alone white, as an underbase for plastisol colors or as a highlight



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
- Avoid the use of flash cures. Print discharge colors dark to light, wet on wet. Print Aquarius™ Bright Discharge White in the last position



Aquarius™ Additives

Aquarius™ Discharge Activator ZF 6% Max

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

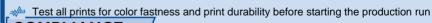
- Clean the stencil area when stopped to prevent screen blockages
- Prints should be cured at 330°F/165°C for 90 seconds. Check the cure temperature at the ink surface



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



AVIENT **SPECIALTY**

V3.13 (Modified: 14/04/2022)

2021, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties os shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's product sor the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.