AQUARIUS WATERBASED



ZODIAC ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

Aquarius™ Digital Hybrid Ink System

RECOMMENDED PARAMETERS



Fabric Types

100% Cotton, blends or synthetic fabrics.



Mesh

Count: 180-305T/in (72-120T/cm) for Clear, 86-230T/in (34-90T/cm) for

White

Tension: 18-35n/cm3



Squeegee

60-90-60

Profile: sharp, square

Stroke: x1 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 sec. at 180°-200°F

(80°-90°C)

Cure: 90 sec. at 320°F/160°C (Cotton), 90 sec. at 305°F/151°C (Polyester)*



Pigment Loading

Not recommended



Aquarius™ Additives

Aquarius™ Retarder 0.5-1% (white only)



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/safetydata-sheets or contact your local CSR Aquarius™ Digital Hybrid ink System consists of a high opacity Digital White and Digital Matte Clear. Designed to provide maximum opacity and an excellent surface to receive a digitally printed image. Resulting prints will be soft hand and flexible with excellent wash performance.

HIGHLIGHTS

- Used in conjunction with a hybrid digital machine
- Excellent color yield and print definition
- Stays open in the screen

PRINTING TIPS

- White can be used as stand alone white or as an under-base for additional white and clear
- For best performance use 180-305T/in (72-120T/cm) mesh for Digital Matte Clear and 86-230T/in (34-90T/cm) mesh for Digital White
- Print with 1/16" or 2mm off contact
- ★ Keep platens cool to avoid white ink aging (130-140°F / 54-60°C)
- Clean the stencil area when stopped to prevent screen blockages
 - (*) Cotton prints should be cured at 320°F/160°C and polyester prints at 305°F/151°C for 90 seconds, but taking into account the additional load of digital ink we suggest to increase the dwell time in the dryer to 120 seconds
- Test all prints for print durability before starting the production run

COMPLIANCE

- Water based, non PVC, non phthalate
- W 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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