

AQUARIUS™

WATERBASED



ZODIAC™ ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

Aquarius™ Digital Hybrid Ink System

RECOMMENDED PARAMETERS



Fabric Types

100% Cotton, blends or synthetic fabrics.



Mesh

180-305T/in (72-120T/cm) for Clear
86-230T/in (34-90T/cm) for White
Tension: 18-35n/cm³



Squeegee

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



Pigment Loading

N/A



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

MSDS: www.polyone.com
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.
- Print two strokes to ensure the mesh is clear and you have a good ink deposit.
- Keep platens cool to avoid white ink aging (130-140°F / 54-60°C)
- 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.

COMPLIANCE

- Water based, non PVC, non phthalate
- Visit 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