AQUARIUS WATERBASED



ZODIAC ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

Aquarius™ Soft Base Range

RECOMMENDED PARAMETERS



Fabric Types

100% Cotton, blends or synthetic fabrics



Mesh

Count: 110-320T/in (43-125T/cm) Tension: 18-35n/cm3



Squeegee

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



Pigment Loading

Maximum 6%



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

Find SDS information here: www.avient.com/resources/safetydata-sheets or contact your local CSR Aquarius™ Soft Base is a clear base suitable for printing on white or light colored garments. Produces supersoft hand prints with bright colors and sharp details when used in combination with Aquarius™ Water Based Pigments.

HIGHLIGHTS

Supersoft hand feel

Suitable for vector or tonal artwork

Prints wet on wet

Excellent wash durability and crock

Bright colors

PRINTING TIPS

✓ Use 110-320T (43-125T) mesh for best performance and color brightness

Print with 1/16" or 2mm off contact

Print one stroke

Print wet on wet. Light to dark

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

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

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

COMPLIANCE

Water based, non PVC, non phthalate

Wisit 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



AVIENT SPECIALTY

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