

# 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/cm<sup>3</sup>

##### 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/safety-data-sheets](http://www.avient.com/resources/safety-data-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
- Visit [www.avient.com/products/screen-printing-inks/zodiac-aquarius](http://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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