



### RECOMMENDED PARAMETERS

#### Fabric Types



All fabric types

#### Mesh



Count: 230-320T/in (90-125T/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 320°F (160°C)

#### Pigment Loading



Maximum 9%

#### 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™ High Mesh range consists of a semi-opaque and clear base. Designed to achieve bright colors when printing high mesh tonal artwork onto a high solids or discharge underbase.

### HIGHLIGHTS

- Super-soft hand feel
- Prints wet on wet
- Intense bright colors
- High mesh counts up to 320T/in (125T/cm) mesh without drying on the screen

### PRINTING TIPS

- If printing on dark backgrounds, print Aquarius™ High Mesh colors onto either Aquarius™ White HS underbase or Aquarius™ Bright Discharge White underbase.
- Colors should be made in accordance with Aquarius™ IMS Pantone® mixing system with a maximum of 9% pigment loading to ensure crock performance is maintained.
- Use 230-320T/ (90-125T) mesh for best performance and color brightness
- Print with 1/16" or 2mm off contact
- Print one stroke
- Prints wet on wet. Flash cure only required for underbase when printing on dark colors
- Clean the stencil area when stopped to prevent screen blockages
- Prints should be cured at 320°F/160°C for 90 seconds. Check the cure temperature at the ink surface.
- 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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