



Aquarius™ High Mesh Range

RECOMMENDED PARAMETERS

Fabric Types

All fabric types



Mesh

Count: 230-320T/in (90-125T/cm)
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: 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

SDS: 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 12% 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 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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