

# AQUARIUS™

WATERBASED



ZODIAC™ ECOCENTRIC INKS

PRODUCT INFORMATION BULLETIN

## Aquarius™ High Mesh Range

### RECOMMENDED PARAMETERS



#### Fabric Types

All fabric types



#### Mesh

Counts: 230-305T/in (90-120T/cm)  
Tension: 18-35n/cm<sup>3</sup>



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



#### Pigment Loading

Aquarius™ Water Based Pigments  
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

MSDS: [www.polyone.com](http://www.polyone.com)  
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 art work onto a high solids or discharge underbase.

### HIGHLIGHTS



Super soft hand feel



High mesh counts up to 305T/in (120T/cm) mesh without drying on the screen



Prints wet on wet



Intense bright colors

### 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/ (77-120T) 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 330°F/165°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 [Zodiainks.com](http://Zodiainks.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