



## Aquarius™ Plasticharge White

### RECOMMENDED PARAMETERS

#### Fabric Types

Reactive dyed Cotton



#### Mesh

Count: 110-230T/in  
Tension: 25n/cm3



#### Squeegee

Durometer: 70, 60/90/60  
Profile: Square  
Stroke: 2  
Angle: 10-15°



#### Stencil

Water Resistant Emulsion  
Off Contact: 1/16" (2mm)  
Emulsion Over Mesh: 15-20%



#### Flash & Cure

Flash: Pre-heated pallet  
Cure: 320°F



#### Pigment Loading

N/A



#### Aquarius™ Additives

Aquarius™ Discharge Activator ZF 4-6%



#### 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™ Plasticharge White is a hybrid plastisol/discharge that allows you to print water base discharge style prints with more ease than a true water base discharge. Aquarius™ Plasticharge White allows you longer open times than true water base and better coverage on some blends where higher pigmentation is needed.

### HIGHLIGHTS

- Use as a stand alone white for super soft prints on cotton. Plasticharge is an excellent tool for learning water base for printers who are already established in plastisol.
- Aquarius™ Plasticharge White also makes a terrific under base for softer prints.
- Plastisol and water base inks may be printed over Plasticharge prints.

### PRINTING TIPS

- Add 4-6% Aquarius™ Activator ZF prior to printing. Mix until completely dissolved. Let sit covered for 10 minutes. If mixture "foams" mix back down. This should not impact printability in most cases.
- The printer should test Aquarius™ Plasticharge White on the garment prior to production to determine if the dyes in that garment will discharge.
- After mixing, the ink must be used for discharging within 24 hours. If necessary, Aquarius™ Plasticharge White may be reduced with water.
- Plasticharge print area will soften considerably after the first wash.
- If print fades after wash, not all of the water was evaporated out of the print. This means the garment requires a longer dwell time in the dryer for full evaporation.
- Water base inks can dry in the screen, Aquarius™ Plasticharge is no exception. It is helpful to mist the air above the screen with a spray bottle of distilled water as needed in order to maintain humidity.
- An even better option for maintaining humidity near your Plasticharge screen(s) is to place a small evaporative steam humidifier on the floor below the print head.

### COMPLIANCE

- 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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