



Aquarius™ Plasticharge Additive

RECOMMENDED PARAMETERS



Fabric Types

Cotton



Mesh

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



Squeegee

Durometer: 70, 60/90/60
Profile: Square
Stroke: 1 to 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 (160°C) - 90 seconds



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 or contact your local CSR

Aquarius™ Plasticharge Additive will work with most any Avient plastisol cotton color ink. However, it should be noted that the color tone intensity will likely diminish to appear more "pastel" unless you use more opaque ink colors like those found in the Union Maxopake high opacity ink series.

HIGHLIGHTS

- Plastisol and water base inks may be printed over Plasticharge prints

PRINTING TIPS

- Combine equal parts Aquarius™ Plasticharge Additive and a suitable plastisol cotton color ink (1:1). Stir slowly until completely mixed. Add 4-6% Aquarius Activator ZF just before printing and mix until completely dissolved.
- Your percentage of Aquarius™ Activator ZF powder should be based on the weight of the Aquarius™ Plasticharge Additive only, Not the combined weight of the ink and additive.
- Water base inks can dry in the screen, Aquarius™ Plasticharge Additive 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.
- The printer must test any color mixed with Aquarius™ Plasticharge Additive on the garment prior to production to determine if the dyes in that garment will discharge.
- When mixing Plasticharge reds, it is often beneficial to reduce the amount of Activator ZF powder by 1%.

COMPLIANCE

- 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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V3.05 (Modified: 11/30/2023)