## VATERBASED

## ZODIAC<sup>\*</sup> ECOCENTRIC INKS

**PRODUCT INFORMATION BULLETIN** 

## Aquarius<sup>™</sup> Plasticharge Additive

Aquarius<sup>™</sup> Plasticharge Additive will work with most any Avient plastisol cotton color **RECOMMENDED PARAMETERS** 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 **Fabric Types** Union Maxopake high opacity ink series. Cotton **HIGHLIGHTS** Plastisol and water base inks may be printed over Plasticharge prints Mesh Count: 110-230 t/in Tension: 25n/cm3 Squeegee Durometer: 70, 60/90/60 **PRINTING TIPS** Profile: Square Stroke: 1 to 2 Combine equal parts Aquarius<sup>™</sup> Plasticharge Additive and a suitable plastisol cotton color ink (1:1). Stir Angle: 10-15% slowly until completely mixed. Add 4-6% Aquarius Activator ZF just before printing and mix until completely dissolved. Stencil Your percentage of Aquarius<sup>™</sup> Activator ZF powder should be based on the weight of the Aquarius<sup>™</sup> Water Resistant Emulsion Plasticharge Additive only, Not the combined weight of the ink and additive. Off Contact: 1/16" (2mm) Emulsion Over Mesh: 15-20% Water base inks can dry in the screen, Aquarius<sup>™</sup> 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. Flash & Cure The printer must test any color mixed with Aquarius™ Plasticharge Additive on the garment prior to Flash: Pre-heated pallet production to determine if the dyes in that garment will discharge. Cure: 320°F (160°C) - 90 seconds When mixing Plasticharge reds, it is often beneficial to reduce the amount of Activator ZF powder by 1%. **Pigment Loading** N/A Aquarius<sup>™</sup> Additives Aquarius<sup>™</sup> Discharge Activator ZF 4-6% Storage Store in sealed containers 12 months from manufacture >40°F (5°C) COMPLIANCE <77°F(25°C) Visit www.avient.com/products/screen-printinginks/zodiac-aquarius for more information **Clean Up** Water & mild detergent PRECAUTIONS confirm suitability of substrate and application process to meet your customer standards and **Health & Safety** specifications Find SDS information here: www.avient.com/resources/safety-AVIENT data-sheets or contact your local CSR V3.05 (Modified: 11/30/2023) SPECIALTY INKS

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