

ECO Aqua Pura Series (Water-Based)

A “True Environmentally Friendly Ink”

Applications

- Direct Printing
- Light & Dark Colored Garments
- Cotton, Cotton/Polyester, Acrylic & 100% Polyester garments

Features

- Free From: PVC, Phthalates & APEO
 - Conforms to EC guidelines
 - Lowest dye migration properties on the market
 - Soft feel
 - Stretch properties over 300%
 - Can be air-dried
 - Cleans up with water
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General Info:

The Eco Aqua system is a newly developed water-based polymer system that provides the printer with a broader range of curing temperatures. These inks require no heat to cure, giving the printer the option to air dry or use a low heat air assist method to speed up the drying process. The use of high heat is not recommended for these ink; therefore, making this series the most bleed resistant ink on the market. This system is PVC and Phthalate free, conforming to all EC guidelines for non-PVC and non-Phthalates in the production of textile screen printing inks. Eco Aqua Inks can be used as direct print inks or for color-matching Pantones®, based on our PIM matching system.

Mesh: 40-240

Stencil: Any water-resistant direct emulsion or capillary film.

Wet on Wet Printing: Depending on design, it may be best to dry after each color.

Screen Preparation: Screen must be wiped down with 69-0011 Eco Aqua Screen Prep Spray. This step is very important, it keeps the screen from choking.

Ink in screen: Requires large amounts of ink in screen.

Printing: Screen must be heavily flooded after each stroke to prevent choking.

Flashing: Use low temperature (160° F) with a lot of air volume.

Heat Assist: Set the oven temperature to 160° F with a lot of air volume. The printed area should be dry to the touch. Once dry to the touch, garments can be stacked and packaged.

Printing Procedures: Ink & screen should be misted with 66-0011 Prep Spray periodically, rate of misting depends on speed and temperature of printing conditions.

Break in Production: It is best to finish run before breaking, but if this is not possible then heavily flood the screen and spray heavily with 69-0111 Prep Spray.

Clean-up: Should be cleaned immediately after printing with soapy water. If screens can't be cleaned immediately after printing, the screens can be stored in a tank with water and a small amount of ammonia based cleaner for a short period of time.

Ink Ghosting: Any strong Dehaze will work.

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Basic Colors

Standard Colors:

(Refer to PIM Color-card for color reference)

69-0003	ECO Aqua Pura Foil Adhesive	69-3000	ECO Aqua Pura Lemon
69-0050	ECO Aqua Pura 4/C Process Cyan	69-3001	ECO Aqua Pura Gold
69-0060	ECO Aqua Pura 4/C Process Magenta	69-4000	ECO Aqua Pura Green
69-0070	ECO Aqua Pura 4/C Process Yellow	69-5000	ECO Aqua Pura Blue GS
69-0080	ECO Aqua Pura 4/C Process Black	69-5001	ECO Aqua Pura Marine
69-0011	ECO Aqua Pura Prep Spray	69-5500	ECO Aqua Pura Violet
69-1000	ECO Aqua Pura Clear	69-6000	ECO Aqua Pura Scarlet
69-1500	ECO Aqua Pura Printable Adhesive	69-6001	ECO Aqua Pura Red
69-2000	ECO Aqua Pura Black	69-9000	ECO Aqua Pura White

Enhance Additives (ENAD)

Part Number	Description	Effect
69-0000	Aqua Pura Reducer	Reduces Viscosity Add up to 20%
69-0011	Aqua Pura Screen Prep	Slows Drying Time
69-0013	Aqua Pura Retarder	Slows Drying Time Add 1 to 3%

Special Effects

Printing on White Fabrics

ECO Aqua Color	<u>40</u>
69-0000 ECO Aqua Pura Reducer	<u>20</u>
69-1000 ECO Aqua Pura Clear	<u>40</u>

Stretch Fabrics

69-1000 ECO Aqua Pura Clear
-Print clear as underlay or seal coat on fabric

Pultra Soft Colors for White Fabrics

ECO Aqua Color	<u>25</u>
69-0000 ECO Aqua Pura Reducer	<u>50</u>
69-1000 ECO Aqua Pura Clear	<u>25</u>

Gloss Top Coat

69-1000 ECO Aqua Pura Clear
-Print over desired area for high gloss effect

Metallic or Glitter Inks

69-1000 ECO Aqua Pura Clear	<u>45</u>
69-0003 ECO Aqua Pura Foil Adhesive	<u>40</u>
Metallic or Glitter Pigment for water inks	<u>25</u>

Flock Printing

69-0003 ECO Aqua Foil Adhesive
-Print an underlay, flash then print 2nd layer of adhesive
-Print flock on top of second layer before it dries

Transfer Printing

69-1500 ECO Aqua Pura Printable Adhesive
-Adhesive to be printed last