



PRODUCT INFORMATION

Ecosol II System

GENERAL INFORMATION

Ecosol is an eco-solution ink that are PVC, Phthalate and Formaldehyde free, “plastisol simulated” 100 percent solid acrylic ink system. It is a ready for use with high elastomeric non air-dry ink that can be screen direct out of its can. Ecosol II System is an excellent product for use for printing depth dark shade on light color fabrics where excellent elastomeric and hand feel is required. Print with Ecosol II will show good elastomeric properties, high washing fastness properties and high color brilliancy. The crocking (wet and dry) fastness for printed Ecosol system show excellent result. Ecosol II system consists of a White, a Base, one High Clarity Gel, 12 standard pigment concentrated colors, 8 Fluorescent colors and a Black. Others products of Ecosol II included in the system are Suede Base, Puff Base, High Density Suede Base, EZ Reducer (Non Phthalate) and EZ Catalyze.

TYPE OF FABRICS

Cotton, Blends Cotton Polyester and some Nylon.

*** ALWAYS PRETEST FASTNESS PROPERTIES BEFORE PRODUCTION. ***

APPLICATION TIPS

Ecosol II system is recommended to be use direct from the can.

To achieve excellent high density, opacity, elasticity on rib or stretchable fabric the below precaution are to be follow.

- 1.) Always lay down higher deposit of ink by using causer mesh, rounded squeegee and soft table.
- 2.) Thick films are recommended for high density printing.
- 3.) Print the mixed ink onto the stretchable fabric following the direction of the fabric grain.
- 4.) Cure to the optimum temperature and do not stretch fabric while fabrics are hot.

Note: It is important to stir this product before use. Lids must be kept on the containers at all times.

TYPE OF STENCIL & MESH

Printers are advice to use only direct in direct emulsion. Capillary film are recommended for high density printing (Call your emulsion supplier for water resist emulsion).

Mesh Type

32T monofilament for Puff, Metallic, Glitter, and Shimmer.

49~77T monofilament for solid graphic design.

77~90T monofilament for underbase and details.

120T monofilament for detail print or for out line and process printing.

SQUEEGEES AND PRINTING TABLE.

For excellent opacity on printing under base white, 65 sore hardness squeegees are recommended. Soft tables are most suitable for opacity or high-density effect. We will suggest that a silicon rubber, to be place on top of the printing pellet to improve the printing table hardness. Squeegee hardness of 65/75 sore was recommended for wet on wet multi color printing. Squeegee hardness of 75/85 was recommended for detail and fine toning effect.

DRYING AND POLYMERIZATION.

For maximum fastness, prints are to be cure at 160°C or 320°F. Airflow recommended is 2000 cfm for 120 seconds at ink film thickness below 35 micron.

OTHERS IMPORTANT TIPS.

Avoid printing Ecosol II in conjunction with Plastisol to prevent PVC & Phthalates contamination. Make sure all tools used are separated from Plastisol printing application. Store ink at room temperature (Below 35°C) to prevent viscosity built up. Inks have pot life of 6 month if store at room temperature and will be shortening up if store at higher temperature condition.

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