CSC Screen Process Supplies Sdn. Bhd.

431984-A

PRODUCT INFORMATION

ECOSOL II CMX SYSTEM

Ecosol II CMX System is another CSC customer service innovation in color management and formulation for our eco-solution ink that is PVC, Phthalate cum Formaldehyde free. This ink system is a 100 percent solid environmental friendly plastisol ink. It is a ready for use with high elastomeric non air-dry ink that can be screen direct out of its can. Ecosol II CMX 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 CMX II System will have good electrometric properties, high washing fastness properties and high color brilliancy. The crocking (wet and dry) fastness for printed Ecosol II CMX System show excellent result.
Ecosol II CMX System consists of Underbase Low Fuse White, CMX White, CMX Process Bases, Yellow U1, Yellow U2, Red U1, Red U2, Cerise U, Magenta U, Blue U1, Blue U2, Violet U, Green U, Black U, Fluorescent Yellow U, Fluorescent Green U, Fluorescent Orange U, Fluorescent Red U, Fluorescent Pink U, Fluorescent Magenta U, Fluorescent Violet U and Fluorescent Blue U.
Others products of Ecosol II included in the system are Suede Base, Puff Base, High Density Suede Base, Polygray base, Metallic, Pearlescent, Interference Ink, Reflective ink, Glow In the Dark, Reducer 8 (Non Phthalate) and EZ Catalyze are fully compatible with our CMX System.

TYPE OF FABRICS
Cotton, Blends Cotton Polyester and some Nylon.
*** ALWAYS PRETEST FASTNESS PROPERTIES BEFORE PRODUCTION. ***

APPLICATION TIPS
Ecosol II CMX System is a formulation guided ink matching system which is generated by our state of the art digital color management system. Customers are suggested to use standard Pantone reference as the guide to our formulations from our CMX formulation. Digital weighing scale with two decimal are recommended for accuracy. Due to the high rhelogy of ink at room temperature customers are recommended to stir the formulation mixed with low speed mixer to assure ink are fully mixed. For achieving excellent high density, thick films are recommended for high density printing.
Inks are to be cure at optimum temperature and do not stretch fabric while hot. Always test fastness properties prior production.

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~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.
65 squeegees hardness are recommended for printing excellent opacity when printing under base white. Soft tables are most suitable for opacity and high-density effect. Silicon rubber is suggest 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.

FLASHCURING AND CURING.
For maximum fastness, prints are to be cure at 160oC, airflow recommended is 2000 cfm for 120 seconds for ink deposit thickness below 35 micron. Flashing curing temperature for underbase white are 130 oC for 20 seconds, to prevent platen from over heated, IR Quartz flash cure are recommended.

OTHERS IMPORTANT TIPS.
Avoid printing all Ecosol II ink 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 (+32 oC) to prevent viscosity built up. The inks have shorter shelf life if store at higher temperature (** never store ink above 50 oC)

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