

®CSC SCREEN PROCESS SUPPLIES SDN. BHD.

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Email : sales@cscscreen.com Website: www.cscscreen.com (431984-A)

TECHNICAL DATA SHEET

ECOSOL E1 PUFF BASE

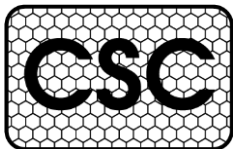
GENERAL INFORMATION

Ecosol E1 Puff base is a puff or embossing effect hybrid of waterbase thermoplastic acrylic with silicones which meets our E1 compliance. Ecosol E1 Puff base is a high solid waterbase ink. Ecosol E1 Puff base is an excellent product for use of on fabrics where soft hand feel, puffing effect or embossing are required. Motive printed with Ecosol E1 Puff base will have good high puffing build up. Printers are recommended to match colors using Cassee Pigments concentrated colors for optimum colors and performance.

TYPE OF FABRICS

Cotton, Blends Cotton Polyester and some stretchable syntactic fabric.

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



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APPLICATION METHOD

Always use Ecosol E1 Puff base in color matching. Commonly 5 to 8% of Cassee Pigments are used to achieve desire color. Ecosol E1White are added with Ecosol E1 Puff Base at ratio of 10% for opacity and whiteness. In the event where optimum elongation is required, use up till 1:1 ratio of Ecosol E1 Puff base to Ecosol E1 Clear Base when necessary.

The Ecosol E1 Puff Base, are produce by re-emulsifying Polysiloxane crafted latex and by itself similar to others Ecosol E1 inks, Ecosol E1 Puff Base will air dry (especially under the variables of low humid and high temperature). Always use waterbase mode on your automatic printer as this will flood the open screen after print and eliminate screen drying and complication in the printing process. Spraying a mist of water onto Ecosol E1 Puff base will prevent ink drying and also prolong open screen time. In certain occasion, mixing small dosages (2 to 5%) of Lubricant DP into the ink will be beneficial as this will reduce the ink evaporating rate or slow down the drying speed.

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

- Always lay down higher deposit of ink by using lower mesh count screen, rounded squeegee and soft table.
- Print the mix ink onto the stretchable fabric following the direction of the fabric grain.
- Cure to the optimum temperature and do not stretch fabrics while fabrics are hot.

Note: It is important to stir the ink well prior using. Lids must be kept on the containers at all times.

TYPE OF STENCIL & MESH

Printers are advised to use only water resistant, direct in direct emulsion. Avoid using screen hardener or enhancer, as this product will also react with the resin in the ink system and speed up the filming process.

Mesh Type

32T~43T mono-filament for high uneven puffing effect.

49~52S mono-multi filament for smooth leather suede effect.

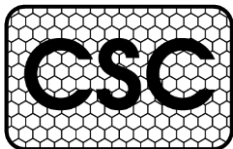
77~120S mono-multi filament for detail print with softhand effect

SQUEEGEE AND TABLE

55/65 sore hardness :For high deposit of ink and puff effect.

65 sore hardness :For sharp edge details.

75/85 sore hardness :For softhand and fine toning effect.



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CURING CONDITION

For maximum fastness, prints are to be cure at 130°C/266°F. Airflow recommended is 2000 cfm/ 56cmm for 3 minutes.

PACKING AND STORAGE

20 liters Ropac Pails : 25 kgs for White, 20 kgs for OP & 20 kgs for Clear.

200 liters Metal Drums : 250 kgs for White, 200 kgs for OP & 200 kgs for Clear.

****ALWAYS STORE INK UNDER SHADE AND AWAY FROM DIRECT SUNLIGHT****

HANDLING, TOXICITY & HAZARD

Ecosol E1 Puff Base is completely green which meets the E1 standard of safety requirements, it is nonvolatile (waterbase) and was made from material that is non-carcinogenic and non-hazardous to the environment.

OTHER IMPORTANT TIPS

Always use Waterbase mode in using Ecosol on an Automatic press. Always flood screen when every printing stroke is completed, this is to prevent ink from drying on screen. Avoid using too high a temperature on flashing under-base white and make sure flash cure are air ventilated.

CBA EV or Hardener EX is recommended if heavy washing performance is required and CBA NF is recommended for critical crocking fastness on high PVC (Pigment Volume Concentrate).

Info: 28.10.14