



## **PRODUCT INFORMATION**

### **ECOSOL E1 DTG 281 & 282** **GENERAL INFORMATION**

Ecosol E1 DTG 281 & Ecosol E1 DTG 282 are another innovation of CSC for the motif impression sector with our new generic of non PVC, non-Phthalate and Formaldehyde free high solid content, hybrid of waterbase thermoplastic acrylic with silicones which meets our E1 compliance.

DTG on dark fabric had always been difficult, common problem of DTG on dark using inkjet white are inkjet nozzle clogging, poor washing and crocking fastness. With our new Ecosol E1 DTG 281 or 282 these problems will be history of the past.

Ecosol E1 DTG 281 or 282 are hybrid high solid waterbase ink. Ecosol E1 DTG 281 or 282 are excellent product for use in printing of high opacity underbase white ready for receptive of most inkjet ink for dark shade to light color fabrics where excellent finish, elastomeric and soft hand feel are required. Motive printed by DTG process colors on Ecosol E1 DTG 281 or 282 will have excellent elastomeric properties, good washing fastness properties, good crocking properties and high color brilliancy

### **TYPE OF FABRICS**

Cotton, Blends Cotton Polyester, Polyester, Nylon and Stretchable Syntactic Fabric.

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

### **APPLICATION TIPS**

#### Base White

Ecosol E1 DTG 281 or 282 is recommended to be use direct as underbase white.

#### Digital Over Printing

Overprint your digital design on the underbase Ecosol E1 DTG 281 or 282 while ink are wet. No intermediate flash cure are required.

The Ecosol E1 DTG 281 or 282, are produce by special modify of re-emulsifying Polysiloxane crafted latex and by itself, Ecosol E1 DTG 281 or 282 will air dry. 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 DTG 281 or 282 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 of Ecosol E1 DTG 281 or 282.

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

- 1.) Always lay down higher deposit of Ecosol E1 DTG 281 or 282 by using lower mesh count screen, rounded squeegee and soft table.
- 2.) Print Ecosol E1 DTG 281 or 282 onto the stretchable fabric, following the direction of the fabric grain.
- 3.) Over print your DTG Process colors while ink are wet..

### **TYPE OF STENCIL & MESH**

Printers are advised to use only water resistant, direct in direct emulsion.

#### Mesh Type

32T~52S mono-multi filament for under base white.

53~120S mono-multi filament for detail and tone on fabric

### **SQUEEGEES AND PRINTING TABLE.**

55/65 sore hardness :For excellent opacity on printing under base white, are recommended.

65/75 sore hardness :For detail and fine toning effect.

### **CURING CONDITION.**

For maximum fastness, Ecosol E1 DTG 281 or 282 with over printing of Ecosol E1 DTG CP Process are to be cure at 150°C at 2000 cfm/55cmm for 90 seconds.





# CSC Screen Process Supplies Sdn. Bhd.

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## **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 DTG 281 & 282 are 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 E1 DTG 281 & 282 on an Automatic press. Flood screen when every printing stroke are completed to prevent ink from drying on screen. Avoid using too high a temperature on flashing and make sure flash cure are air ventilated.

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