



## **PRODUCT INFORMATION**

### **Ecosol II Polygray Plus Base**

#### **GENERAL INFORMATION**

Ecosol II is an eco-solution ink that is PVC, Phthalate and Formaldehyde free, “plastisol simulated” ink system. In countering today’s polyester migration problems using the environmental care ink, CSC Screen Process Supplies had developed a solution. We are proud to introduce our Ecosol II Polygray Plus base. This is an excellent product for use for printing brilliance light shade on dark color polyester fabrics where disperse dyestuff migration are common.

#### **TYPE OF FABRICS**

Blends polyester Cotton, Polyester, Polyester Lycra, Polyester Monofilament and polyester High-tech fabric.

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

#### **APPLICATION TIPS**

Ecosol II Polygray Plus base is recommended to be use direct from the can.

- 1.) Always lay down higher deposit of ink by using causer mesh, rounded squeegee and soft table.
- 2.) Minimal ink thickness recommended for Polygray base to be printed on to the fabric should not less than 50µm.
- 3.) Flash using IR Quartz heat source at 250 °C/480°F until ink is touch dry.
- 4.) Ink should be cure at 160 °C/320°F until it is fully cure.

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

41~60T (100~150) monofilament mesh are recommended for printing the Ecosol II Polygray Plus base.

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

Use 65/90/65 sore hardness squeegee for printing Ecosol II Polygray Plus base.

#### **DRYING AND POLYMERIZATION.**

For maximum fastness, prints are to be cure at 160 °C or 320 °F. Airflow recommended is 2000 cfm/56cmm for 120 seconds at ink film thickness below 50µm.

#### **OTHERS IMPORTANT TIPS.**

Always incubate printed Ecosol II with Ecosol II Polygray Plus base to confirm on disperse dye migration properties for a minimal of 15 days at room temperature of 50 °C at humid of 75%. Store ink at room temperature (Below 50 °C) to prevent viscosity built up. Inks have pot life of approximately 12 month if store at temperature above room temperature and will be shortening up if store at higher temperature condition.

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