



## PRODUCT INFORMATION

### GENESIS CHROMATIC SERIES (GENESIS COLOR REFLECTIVE)

#### GENERAL INFORMATION

Genesis Chromatic Series is another innovations breakthrough by CSC in safety reflective inks. Genesis Chromatic are develop base on the extension on waterbase technology in core structure polymer in Genesis ink system. It has excellent soft handling, high elastomeric, high opacity and high reflective performance in acrylic resin waterbase ink technology. Genesis Chromatic System consists of Chromatic Gold, Chromatic Yellow, Chromatic Green, Cromective Blue, Chromatic Orange, Chromatic Red, Chromatic Magenta and Chromatic Silver. Genesis Chromatic Series is an excellent product for printing on dark color fabrics where maximum opacity with high reflectivity is required. In addition it can be used for applications where ultimate fastness properties are required such as repellent nylon or polyester. Genesis Chromatic Series has excellent wet and dry crocking fastness have an excellent result properties when cure at low temperature (130°C).

#### TYPE OF FABRICS

Cotton, Blends Cotton Polyester, Blend Rayon Polyester, Rayon, Denim, Polyester, and certain Nylon.

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

#### APPLICATION METHOD

##### White/ Light Color Fabric

- Print with underbase Genesis Black ink
- Over Print with the desire Genesis Chromatic Series colors.
- High transparent pigment are recommended to increase color strength to the desire color

##### Dark Color/Black Fabric

- Print with underbase Genesis Black ink even you are printing on a black colored fabric.
- Over Print with the desire Genesis Chromatic Series direct to colored fabric.
- High transparent pigments are recommended to increase color strength to the desire color, make sure the pigment dosage will increase the opacity of the acrylic system to prevent reflective effect drop.

#### TYPE OF STENCIL & MESH

Used only water resistant, direct in direct emulsion. Capillary film are recommended for fine details printing (Call your emulsion supplier for water resist emulsion)

32T/80T ~49T/120T mono-filament for high opacity and reflective.

#### SQUEEGEES AND PRINTING TABLE.

For maximum opacity 55/65 shore hardness squeegee are recommended.

#### DRYING AND POLYMERIZATION.

For maximum fastness, prints are to be cure at 150°C/302°F for 3 minutes Air flow recommended are 2000 cfm/56 m<sup>3</sup>/min for proper polymerization.



## **PACKING AND STORAGE**

Genesis Chromatic Series products are pack in 20 liters packing as well as 200 liters drum. Always store ink under shade at below 35°C /95°F. This product should not be prolonging to exposure to frost or below 0°C /32°F.

## **HANDLING, TOXICITY & HAZARD**

Genesis Chromatic Series is total green with meets E1 standard on all RSL regulatory. Genesis Chromatic Series is non-volatile (waterbase). Genesis Chromatic Series is made using renewable power (Power by Solar) and from material that is non-carcinogenic and non-environmental hazard.

## **OTHERS IMPORTANT TIPS.**

We suggest to always flooding screen with ink when completed every printing stroke to prevent ink from drying on screen.

**\*\*Avoid printing detail immediately after flash curing.\*\***

Flash curing temperature required is 220°C/428°F for 6 seconds.

To achieve excellent fastness you might need to add Catalyst Binding Agent up to a maximum of 3 % by weight.

If dryer are not available, add Cold Cure Catalyst AS100 up to a maximum of 2 % by weight. (Adding AS100 will increase the hand feel of your print.)

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