



PRODUCT INFORMATION

GENESIS CLEAR BASE UC

GENERAL INFORMATION

Genesis Clear Base UC is a translucent clear ready for use water base ink. Genesis CB UC is an excellent product for use where excellent glossiness finish and excellent soft hand feel is required. Genesis Clear Base UC has good crocking (wet and dry) fastness with result of 4-5. Genesis Clear Base UC was recommended be used in conjunction with Genesis White HO and Genesis OP. Genesis Clear Base show excellent stability with Metallic, Phosphorescent, Pearlscent and Reflective printing.

TYPE OF FABRICS

Cotton, Blends Cotton Polyester, Blend Rayon Polyester, Rayon, Denim, Polyester, Vinyl, PVC Sheet and some Nylon.

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

APPLICATION METHOD

Genesis Clear Bases UC is recommended to be use direct from the can. Genesis Clear Bases UC shows excellent glossiness and has excellent hand feel in its finish print. In Metallic Pearlscent and Phosphorescent printing a maximum of 3 parts of the pigment can be added to Genesis Clear base with excellent fastness. RFU was recommended in certain application of Pearlscent Silver and Gold effect to eliminate print surface tackiness.

TYPE OF STENCIL & MESH

Used only water resistant, direct in direct emulsion. Call your emulsion supplier for water resist emulsion.

32T/80T mono-filament for high glossiness, Metallic, Glitter, and Shimmer.

49T/120T mono-filament for soft hand with medium glossiness, Pearlscent, Phosphorescent and Reflective.

54T/135T mono-filament for detail print or for out line and tone on fabric

69T/180T to 120T/305T for fine detail and on tight woven nylon fabric.

SQUEEGEES AND PRINTING TABLE.

For excellent glossiness 55/65 shore hardness squeegees are recommended. Soft tables are most suitable. For special effect 65/75 shore hardness squeegee was recommended. 75/85 hardness was recommended for Fine detail, woven and halftone printing on woven nylon fabric.

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 m³/min for proper polymerization.

PACKING AND STORAGE

Genesis Clear Bases UC 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 Clear Bases UC is total green with meets E1 standard on all RSL regulatory. Genesis Clear Bases UC is non-volatile (waterbase). Genesis Clear Bases UC 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 3 % by weight. (Adding AS100 will increase the hand feel of your print.)