



PRODUCT INFORMATION

ECOSOL E1 GRAYBASE

GENERAL INFORMATION

Ecosol E1 Graybase is a hybrid of waterbase thermoplastic acrylic with silicones with high opaque sublimation/disperses dye migration blocking ink. Ecosol E1 Graybase is in a ready for use condition that can be screened or roller printed. It is an excellent product for use as anti-migration on dark color polyester fabrics where poor migration blocking properties of disperse/sublimation dye were being used in dyeing the polyester fabric. Ecosol E1 Graybase can be used for applications where ultimate fastness properties are required, such as for denim and monofilament polyester fabric. Ecosol E1 Graybase are recommended to be used with Ecosol E1 System on automatic presses.

TYPE OF FABRICS

Dyestuff or Migration Fabric or poorly prepared (dyed) fabric of Cotton, Blends Cotton Polyester, Blend Rayon Polyester, Denim and 100% Polyester.

***** ALWAYS PRETEST ANTI-MIGRATION PROPERTIES BEFORE PRODUCTION. OBSERVATION UNDER HUMID AND PERIODICAL IF REQUIRED*****

APPLICATION METHOD

Print Ecosol E1 Graybase to the thickness required prior to overprinting with Ecosol E1 System on poor migration colorfastness ground fabric.

To obtain excellent anti-migration properties, thickness of dry film of Ecosol E1 Graybase should be above 100 micron.

TYPE OF STENCIL & MESH

Use only water-resistant, direct in direct emulsion. Contact your emulsion supplier for water-resist emulsion.

- 41T to 49T mono-filament for heavy migration fabric (normally on polyester athletic or heavy jersey)
- 51T to 63T mono-filament common or normal polyester migration fabric.

SQUEEGEES AND PRINTING TABLE

- For maximum ink deposit, 55/65 shore hardness squeegee is recommended.
- Soft tables are most suitable.
- Squeegee angle at above 20° are recommended for higher deposit of ink.

DRYING AND POLYMERIZATION

For maximum fastness, prints are to be cured at 150°C/302°F for 3 minutes. Air flow recommended is 2000 cfm/ 56 m³/min for good polymerization.

PACKING AND STORAGE

Ecosol E1 Graybase are packed in 20 liters packing as well as 200 liters drum.

Always store ink under shade below 35°C /95°F. This product should not experience prolonged exposure to frost or be in temperatures below 0°C /32°F.

HANDLING, TOXICITY & HAZARD

Ecosol E1 Graybase is completely green which meets E1 standard on all RSL. Ecosol E1 Graybase is non-volatile (waterbase). Ecosol E1 Graybase is made using renewable power (Power by Solar) and from materials that are non-carcinogenic and non-hazardous to the environment.

OTHERS IMPORTANT TIPS

Always flood screen with ink when printing Ecosol E1 Graybase to prevent ink from drying on screen.

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

Flash curing temperature required is 220°C/428°F for 5 seconds.

To achieve excellent fastness Catalyst Binding Agent are recommended up to a maximum of 2 % by weight.

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