

® CSC SCREEN PROCESS SUPPLIES SDN. BHD.

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Email : sales@cscscreen.com Website: www.cscscreen.com

TECHNICAL DATA SHEET

RUBBERIZE M5300 GRAYBASE

GENERAL INFORMATION

Rubberize M5300 Graybase is a hybrid of waterbase palm base of acrylic with silicones with high opaque sublimation/disperses dye migration blocking ink. Rubberize M5300 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 dying the polyester fabric.

TYPE OF FABRICS

Rubberize M5300 Graybase are recommended for Blends, Polyester and Rayon.

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

APPLICATION METHOD

Print M5300 Graybase to the thickness required prior to overprinting with Rubberize M5000 on poor migration colorfastness ground fabric.

To obtain excellent anti-migration properties, thickness of dry film of M5300 Graybase should be above 120 µm.

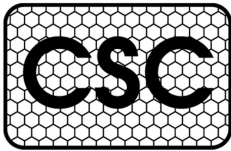
TYPE OF STENCIL & MESH

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

- 32T to 49T mono-filament for heavy migration fabric (normally on polyester athletic or heavy jersey)
- 51T to 59T mono-filament common or normal polyester migration fabric

SQUEEGEE AND TABLE

- For maximum ink deposit, 55/65 shore hardness squeegee is recommended.
- Soft tables are most suitable.
- Squeegee angle at 22.5° are recommended for higher deposit of ink.



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DRYING AND POLYMERIZATION

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

PACKING AND STORAGE

M5300 Graybase are pack 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

M5300 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.

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.

****AVOID PRINTING DETAIL IMMEDIATELY AFTER FLASH CURING****

Info: 21.03.2015.