

® CSC SCREEN PROCESS SUPPLIES SDN. BHD.

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TECHNICAL DATA SHEET

RUBBERIZE M7000 SERIES

GENERAL INFORMATION

With our advanced edible oleo-polymerization technology, CSC is proudly introducing our Oleo-based Polyurethane-Rubberize M7000 high elongation rubberized series of ink system.

Rubberize M7000 System consists of Rubberize M7280 White, Rubberize M7100 Clear and Rubberize M7120 Opaque Base.

Rubberize M7000 System gives excellent hand feel, with good washing fastness, good crocking fastness, excellent opacity, good printability, is able to meet our E1 compliant listing, high elongation elastomeric and is tack-free.

Rubberize M7000 has a balance of Thixotropic and Newtonian viscosity with good pseudoplastic flow which will give good and fast thick ink film formation which improves print opacity.

TYPE OF FABRIC

Rubberize M7000 System are compatible with Cotton, Blends Cotton Polyester, Polyester, Rayon and a wide variety of natural fabric.

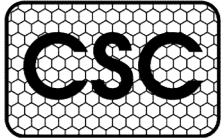
****ALWAYS PRETEST FASTNESS PROPERTIES BEFORE PRODUCTION****

APPLICATION METHOD

Add concentrated pigment to Rubberize M7000 System paste to the desired color shade (0% to 8%) and mix well. Add 0.5% of CBA EV to enhance the washing performance if concentrated Pigment was added above the recommended dosage. Hardener EX is recommended to improve high abrasion fastness on heavy wash. Slip-AYD is recommended to improve dry crocking and wet crocking performance upon required.

All M7000 System can be use right out of its can. recommended for underbase for printing on dark, Rubberize M7120 Opaque Base are used for color matching and Rubberize M7100 Clear are used for color tinting.

For more accurate color matching of M7000 series, CSC Color Matching System (<https://cscscreen.com/color/cms.php>) is recommended, with real-time color recognition system CREST and more than 10000+ color formula ready for mixing using Rubber M7000 CREST Kit with 10 standard concentrated pigment colors and 7 Fluorescent pigment concentrated colors.



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TYPE OF STENCIL & MESH

Use only water-resist direct in direct emulsion. Extensive expose stencil after preparations are recommended for assurance of the durability of stencil.

Mesh recommended range from 32 to 90 metric counts. Finer mesh is for detail and normally will be chosen as the last screen color.

Minimum screen tensions recommended should be above 20 Newton.

SQUEEGEE AND TABLE

Squeegee hardness within 45 to 65 durometer hardness (double hardness squeegee recommended such as 45/90/55) is recommended. Rounded squeegee are recommended for good opacity for printing full graphic on dark garments.

PRINTING AND PROCEDURE

Always start printing with the lightest color first. The darkest color should be printed last for excellent color brightness. Flood screen after every print stroke for good ink deposit when printing as well as to prevent screen drying. Use low squeegee pressure for a maximum ink deposit on fabric. Heavy squeegee pressure will cause heavy penetration and will effect on the hand feel quality as well as the print fastness and the color brilliancy.

DRYER AND VENTILATION

Rubberize M7000 System is air-dryable with self-crosslinking polymer, in situations where humidity is high and room temperature is low, common thermosetting temperature recommendation is 150°C/302°F with force air of 1800cfm/50cmm for approximately 60 seconds.

Info: 07/09/21