

®CSC SCREEN PROCESS SUPPLIES SDN. BHD.

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TECHNICAL DATA SHEET

ENVIROPLUS EC 750M PF

GENERAL INFORMATION

HD-Series ink, when printed correctly, will produce a print with an extraordinarily thick ink layer that retains sharp edges and crisp, highly detailed definition even after curing. This is not a puff ink.

For satisfactory results with this ink the screen printer must use them in combination with a correctly prepared screen and a carefully adjusted printing technique.

FEATURES

It produces extremely thick, sharp-edged, three-dimensional prints completely opaque

APPLICATION METHOD

On cotton material only or on fleece goods of any color

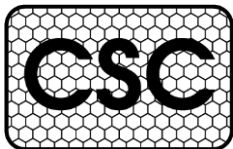
TYPE OF STENCIL & MESH

Use 60 threads per inch thin diameter (24 threads per centimeter) monofilament polyester mesh. For best results the mesh should be tensioned to at least 24 Newton per centimeter.

To achieve the desired three-dimensional effect this ink must be printed through direct capillary stencils that are at least 400 microns thick. Stencils of 400-700 microns are recommended. (Contact your emulsion supplier for stencil film recommendations).

ADDITIVES

The use of additives or reducers is not generally recommended with this ink. Occasionally, in order to obtain a sharper print, a very small amount (1-2%) of Curable Reducer EC may be added.



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PRINTING INSTRUCTIONS

Use a sharp 80~90 durometer squeegee. The squeegee angle and pressure must be adjusted so the ink prints a clean, sharp image but is not pushed into the fabric being printed on. Use a slow speed both on the flood and print strokes. The off-contact distance should be as small as possible. Adjust the speed and angle of screen lift so that the screen peels away from the print immediately behind the squeegee on the print stroke. Correct adjustment of this variable is crucial for producing a crisp sharp print with a minimum of ink retained on the mesh.

We recommend that these inks be printed last in the color sequence. If this is not possible they should be flash cured before the next color is printed to maintain the three-dimensional effect.

CURING INSTRUCTIONS

Plastisol inks will not air dry. They must be heat cured. These inks will fully cure and withstand repeated washings when the entire ink deposit reaches 300° F (150° C) with airflow of 56 m³/min or 2000ft³/min for 120 sec. Proper curing is extremely important. Poor wash ability of the print can generally be traced back to under-curing!

Wash-Up & Storage

Clean the screens and squeegees with mineral spirits or any screen wash designed for plastisol inks. Store plastisol at room temperature. Prolonged exposure to high temperature can make the ink start to gel.

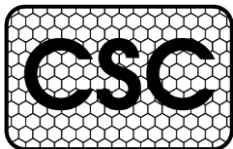
Always test this product for curing, crocking properties, opacity, wash ability and other specific requirements before using in production.

PACKING AND STORAGE

Keep inks indoors and store in a cool area. Storage recommended at 65 °F to 90 °F (18°C to 32°C). Avoid storage in direct sunlight or in extreme temperature conditions.

25 kg drum, 250kg drum and 1250kg tank

****AVOID STORAGE IN DIRECT SUNLIGHT OR IN EXIREME TEMPERATURE CONDITIONS.****



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PRODUCT SDS

Refer to SDS for Enviroplus Series Ink

Recommendations and statements made are based on CSC Screen Ink & Coatings research and experience.

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****ALWAYS TEST BEFORE USING IN PRODUCTION ****

