

® CSC SCREEN PROCESS SUPPLIES SDN. BHD.

No. 14, Jalan Bertam 5, Taman Daya, 81100 Johor Bahru, Johor, Malaysia ¹⁹⁹⁷⁰¹⁰¹⁶⁴⁸⁷
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Email : sales@cscscreen.com Website: www.cscscreen.com

TECHNICAL DATA SHEET

ENVIROPLUS EC CMX SERIES

GENERAL INFORMATION

Enviroplus EC CMX Series is CSC Non-Phthalate Plastisol color management formulation developed from our Enviroplus EC Series Plastisol ink. This ink system is a 100% solid Plastisol ink. It is a ready for use with good elastomeric non air-dry ink which can be screen direct out of its can. Enviroplus EC CMX U Series is an excellent product for use in printing depth dark shade on light color fabrics when excellent elastomeric and hand feel is required. Print with Enviroplus EC CMX series will gave good electrometric properties, high washing fastness properties and high color brilliancy. The crocking (wet and dry) fastness for printed Enviroplus EC CMX Series also do show excellent result.

Enviroplus EC CMX U consists of White PF, 750 MPF, Yellow U1, Yellow U2, Red U1, Red U2, Cerise U, Magenta U, Blue U1, Blue U2, Violet U, Green U, Black U, Fluo. Green U, Fluo. Orange U, Fluo. Pink U, Fluo. Red U, Fluo. Yellow U, Fluo. Blue U, Fluo. Violet U, Fluo. Magenta U.

TYPE OF FABRICS

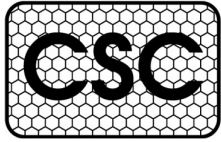
Cotton, Blends and Cotton Polyester.

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

APPLICATION METHOD

Enviroplus EC CMX U Series is a formulation guided ink matching system which is generated by our state of the art digital color management system. Customers are suggested to use standard Pantone reference as the guide to our formulations from our CMX formulation. Digital weighing scale with two decimals are recommended for accuracy. Due to the high rheology of ink at room temperature customers are recommended to stir the formulation mixed with low speed mixer to assure ink are fully mixed. For achieving excellent high density, thick films are recommended for high density printing.

Inks are to be cured at optimum temperature and do not stretch fabric while hot. Always test fastness properties prior production.



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TYPE OF STENCIL & MESH

Printers are advised to use only direct in direct emulsion. Capillary film is recommended for high density printing (Call your emulsion supplier for water resist emulsion).

Recommended Mesh Type:

52T~77T monofilament for solid graphic design.

77~90T monofilament for underbase and details.

120T monofilament for detail print or for out line and process printing. 47~120T mono-multi filament for detail and tone on fabric.

SQUEEGEE AND TABLE

Round squeegee with hardness of 65/75 shore was recommended for wet on wet multi-color printing. For detail and fine toning effect, sharp squeegee with hardness of 75/85 was recommended.

Soft tables are most suitable for opacity and high-density effect. Silicon rubbers are suggested to be placed on top of the printing platen to improve the printing table hardness.

FLASHCURING AND CURING

For maximum fastness, prints are to be cured at 160°C or 320°F, airflow recommended is 56 m³/min or 2000 ft³/min for 2 minutes for ink deposit thickness below 35 µm. Flashing curing temperature for underbase white is 250°C/482°F for 6 seconds, to prevent platen from overheated, IR Quartz flash cure are recommended.

OTHERS IMPORTANT TIPS

Avoid printing all Enviroplus EC CMX series in conjunction with conventional Plastisol to prevent Phthalates contamination. Make sure all tools used are separated from conventional Plastisol printing application.

Add in 0.2% – 2% of Reducer 7 (Non-Phthalate), to decrease the viscosity of the ink.

Info: 05.08.2020

REVISION 2.0, DATE: 07.04.2021