



CFX MONARCH WHITE & BASE

Medium Solids Waterbased Inks

Technical Data Sheet

REV. 20240310

Key Features

A Medium Solids, PVC, Phthalate and Formaldehyde free aqueous ink system optimized for automatic printing. The Monarch series has exceptional soft hand feel, great elasticity and high opacity with a smooth, matt, tack free surface. Formulated as a high productivity ink system with excellent open-time that allows for multi-colour printing without the need for multiple flashing..

Wash Resistance

Monarch inks when correctly cured will pass most specifier wash tests. For more stringent wash tests the use of a crosslinker is recommended. No testing should be carried before a minimum of 24 hours after curing

Compliance

All CFX Aqueous ink are formulated to be Phthalate Free, meet Oekotex standards and do not contain any Substances of Very High Concern. Currently, we, the manufacturer, do not test for compliance and should the user require certification we recommend they use an independent test house for verification.

Storage

Avoid direct sunlight and extremes of temperature.

Health and Safety

Please refer to the appropriate MSDS sheet

Application Recommendations

Fabric Types

Suitable for all types of fabric, on Cotton / Polyester blends and 100% Polyester we recommend the use of Barrier Grey underbase to prevent dye migration

Mesh

From 43 to 72 threads per cm

Stencil

Water resistant Photo-Emulsion

Squeegee

Square Profile. 75/90/75 triple durometer.

Additives

Water based inks can dry on the screen too quickly in low humidity situations. The addition of 2-5% of CFX Stellar Open Time Extender should resolve this issue.

To improve wash fastness and reduce surface tack we recommend 0.5% – 2.0% of CFX Stellar Cross linker.

Flash Temperature / Gel Point

Maintaining a pallet temperature of 65°C / 150°F will maximize productivity on Multicolor designs. We recommend flash cures with hot air assistance for maximum efficiency.

Cure Temperature

160°C / 320°F for 120 to 150 seconds

Clean Up

For equipment use a Biodegradable Screen Wash. Clean up spills with a suitable absorbent material. Dispose of unused ink responsibly in accordance with local regulations

Suggested Mixes

	Dark Shade Mix	Medium Shade Mix	Light Shade Mix
Monarch Clear	80-90%	50-60%	20-30%
Monarch White	10-20%	40-50%	70-80%
Aquatint Pigment Emulsion	6-8%	5-6%	2-4%

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