



CFX IMPERIAL BARRIER GREY

Aqueous Under base for Polyester Fabrics

Technical Data Sheet

REV. 20240310

Key Features

A High Solids, PVC, Phthalate and Formaldehyde free aqueous ink system optimized for printing on both automatic and manual equipment.

A high productivity ink system with excellent open-time, Imperial Barrier Grey is formulated, using the latest technology, to act as a barrier to the dye migration experienced on darker shades of Polyester Fabric.

Imperial Barrier Grey is specifically for use with Imperial White and Base.

Wash Resistance

CFX Imperial Barrier Grey, when correctly cured, will pass most specifier wash tests. For more stringent wash tests the use of a cross linker 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

100% Polyester and Polyester blends

Mesh

43 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.

Printing

Print two strokes and flash before overprinting with Imperial White/Base. If the dye migration is very severe a second application of Imperial Barrier Grey maybe necessary before overprinting with Imperial White/Base

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

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