



# CFX ULTRA FX FOIL ADHESIVE SF & HD

## Screen Printable Water based Adhesives

### Technical Data Sheet

REV. 20240310

#### Key Features

A High Solids, PVC, Phthalate and Formaldehyde free aqueous ink system optimized for both automatic and manual printing. Formulated as a high productivity ink system with excellent open-time that allows for foil transfer printing.

We offer two versions –

Hard – This version has excellent wash fastness and the transferred foil has a plotter cut vinyl feel.

Soft – Equally good wash fastness but with a soft hand – ideal for fashion garments.

All other parameters remain the same for both types

#### Wash Resistance

CFX Foil Adhesives 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

Suitable for all types of fabric. We recommend pretesting adhesion prior to starting a production run

##### Mesh

From 33 to 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.

To improve wash fastness and crock resistance we recommend 0.5 – 2.0% of CFX Stellar Cross linker.

##### Printing

Stir the ink well. Print 2 strokes, Flash then apply 2 strokes followed by 2 further strokes.

##### 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

##### Transfer Time and Temperature

180°C for 8 Seconds at 6 bar pressure

##### 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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