



# CFX HIGH GLOSS GEL CLEAR

## Glossy, Transparent, High Build Prints

### Technical Data Sheet

REV. 20240314

#### Key Features

CFX High Gloss Gel Clear is a special effect Phthalate Free plastisol ink formulated for printing on both Manual and Automatic equipment. CFX High Gloss Gel Clear when printed through a high build stencil creates a domed glass bead like appearance that can simulate water droplets and similar effects.

#### Wash Resistance

CFX High Gloss Gel Clear will pass a minimum of 5 x 60°C wash Cycles when correctly cured. CFX High Density Inks should not be dry cleaned.

#### Compliance

All CFX Plastisol Inks 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 store at a temperature between 16°C / 60°F and 30°C / 95°F.

#### Health and Safety

Please refer to the appropriate MSDS sheet.

#### Application Recommendations

##### Fabric Types

Cotton and Cotton Polyester Blends.

##### Mesh

From 34 to 62 threads per cm.

##### Stencil

High Build Solvent Resistant Dual Cure Emulsion or High Micron count Capillary Film. (100 microns to 400 microns).

##### Squeegee

Square Profile. 60 – 90 Shore. Single or triple blend durometer.

##### Additives

CFX High Gloss Gel Clear is supplied ready for use and should not need to be modified. The supplied viscosity is high but this is required to get the print effect desired.

##### Printing

Printing thick films requires a high build stencil and the correct off contact. The flood stroke should be slow and fill the image area with ink, the print stroke similarly slows to allow the transfer of ink to the substrate. Flash and repeat as necessary. The rheology of this ink is such that it shears and loses viscosity during the print run, to counter this add small amounts of fresh ink to the screen on a regular basis.

##### Flash Temperature / Gel Point

Typically, 65°C / 150°F on preheated pallets.

##### Cure Temperature

160°C / 320°F for 60 to 90 seconds. However thick films may require a longer dwell time to ensure complete cure. This ink is not formulated to give a flat surface. With the correct drying time the print should be completely clear and have a domed high gloss surface.

##### 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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