



CFX STELLAR ADDITIVES

Additives and Modifiers for CFX Waterbased Inks

Technical Data Sheet

REV. 20240310

Key Features

The CFX Stellar range of Additives and Modifiers has been developed to enhance to performance of the CFX range of water based inks either on press or of the finished print

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

Product Application Recommendations

Stellar Open Time Extender –

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.

Cross linkers –

CFX offer two cross linkers both improve wash fastness, adhesion and certain film characteristics such as crock resistance. In both cases maximum performance will not be reached for 24 hours after initial curing.

Cross linker 100 – can be used at levels from 0.5% to 3%. This cross linker is functional at room temperature but crosslinking will benefit from temperatures over 70°C and will show a marked improvement in water, chemical, abrasion, wash fastness and humidity resistance. Once added to the ink we recommend using the mix within 24 hours as it will rapidly lose its crosslinking function over time.

Cross linker 200 – can be used at levels from 1.0% to 3%. This cross linker requires cure temperatures in excess of 130°C to function and show the benefits of a marked improvement in water, chemical, abrasion, wash fastness and humidity resistance. The mixed ink should have a pot life of several days and further additions of Cross linker 200 can be made if deemed necessary.

Stellar Discharge Agent –

5–6% should be added to CFX TD Discharge inks prior to printing. The mixture should be stirred thoroughly, allowed to stand for 10 minutes and then stirred again prior to printing. The activated Discharge ink will have a maximum pot life of 24 – 48 hours depending on ambient conditions.

Disclaimer – Not all of our products are available in every Country – please check with our Sales Team for availability. The data presented in this bulletin is based on our current state of knowledge but does not absolve the user from carefully checking the product on receipt. We reserve the right to make changes on the basis of product improvement and raw material availability. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.