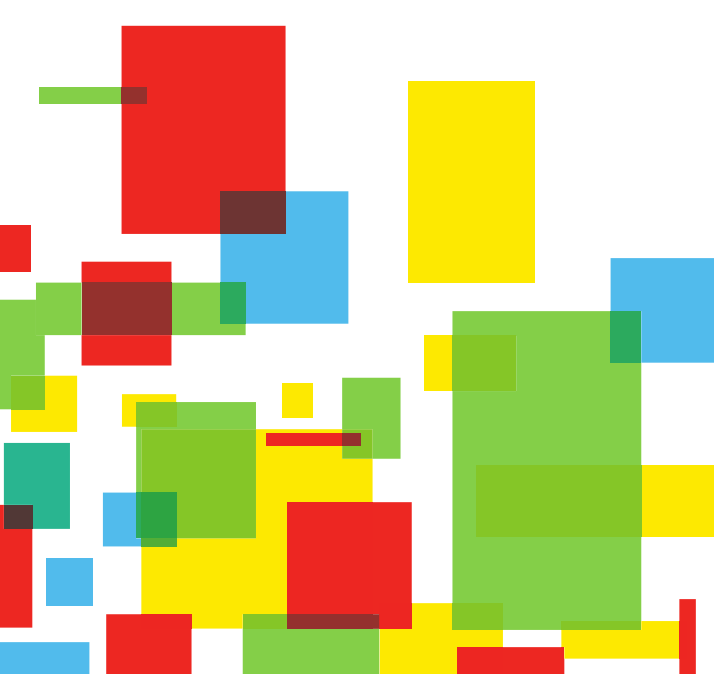




XENNIA® Jade DTF

Pigment ink for direct to film printing



working for you.

### Product Profile:

Xennia Jade DTF is a series of aqueous pigment inks tailored to work in direct to film transfer applications. Composing of a CMYK color set, a white backing ink and a powder adhesive designed for application to available coated PET transfer films. Xennia Jade DTF inks are compatible with the most commonly used printing systems and printheads (the suitability of the inks for individual machines and models should be validated by the user)

Typical characteristics and features include:

- Superior color strength
- Excellent printability and open time
- Batch to batch consistency
- Optimized ink-adhesive properties
- Excellent fastness

### Ink Installation:

Unless Xennia Jade DTF is the first ink installed into the system, it is recommended to clean the ink line thoroughly using a recommended flush. White ink may naturally settle and so prior to installation it is recommended to lightly shake or upturn the bottle several times to ensure the ink is homogenous.

### Printing & Process:

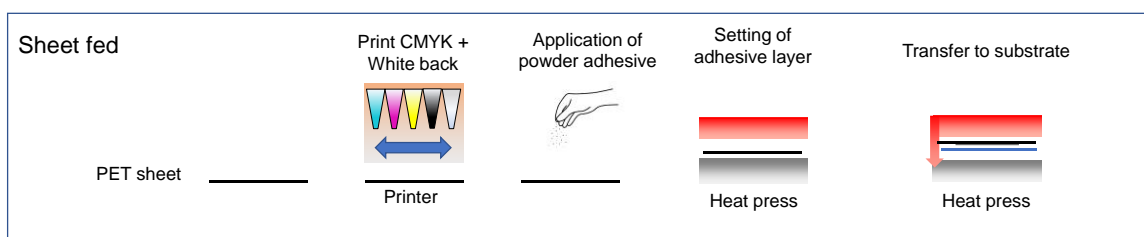
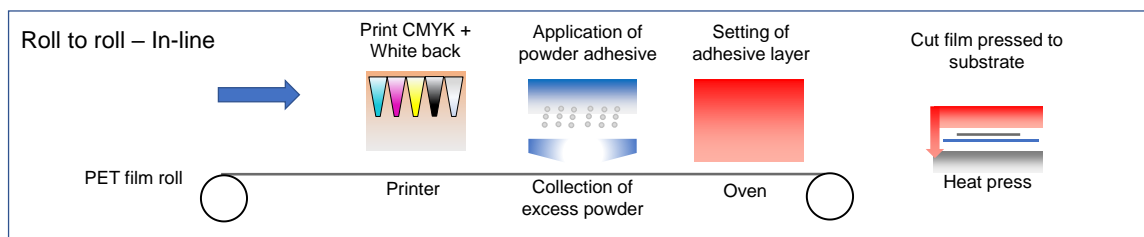
For optimal printing, the relative humidity rate must be kept at 50% or higher and the atmospheric temperature set to 20-25°C (70°F).

In periods where the printer is not in production, printheads should be capped at all times. If the inks dry in the nozzles, the normal cleaning procedure built into the printer should be applied. It is recommended to use Universal Flush WB first.

It is recommended to carry out routine maintenance on the cap station, wiper etc. to ensure the system is in working condition at all times.

### Workflow:

- The design file should be created in mirror image and a color separation applied to enable a white back layer where required
- DTF film is printed with CMYK with a white ink layer after the color
- The printed film should be dried until “tacky”
- Adhesive powder is applied to the ink film
- Any excess adhesive should be removed
- The adhesive layer should be “melted” and dried
- The print on film is ready for transfer



**Transfer & Fixation:**

It is recommended to review the specifications for the DTF film being used and how and when the film should be peeled from the fabric after transfer.

- Typical transfer will be done using a benchtop heat press
- Transfer temperature ranges between 100°C-140°C depending on the transfer film type and ink laydown
- For best results, press the t-shirt for 5 seconds to remove any moisture before transferring the image
- Place the image face down on the t-shirt and cover with a Teflon sheet or parchment paper and press
- Transfer pressing time should be between 5-15s depending on the transfer film type and ink laydown
- Peel off the film according to the instructions provided for hot or cold peel films
- In some cases it may additionally benefit the result to re-press the transferred image for 5 seconds (covering with Teflon sheet)

**Available Products:**

Color	Product code	Pack Size
C	91850156	1kg
M	91850155	1kg
Y	91850153	1kg
K	91850157	1kg
W	91850154	1kg
Ad		10kg
Flush	Universal Flush WB 90376078	1kg

**Storage Considerations:** Inks should be stored in a controlled environment at a temperature between 10-30°C. If stored under these recommended conditions, the inks have a shelf life of 12 (twelve) months. The white ink should be agitated regularly to avoid long term settling.

**Safety, Health and Environment:** Xenxia Emerald PC inks should be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the Safety Data Sheet for specific information.

**Fastness:** Fastnesses are dependent on the film, fabric and process used but will be consistent with results expected from a pigment/resin solution.

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