

FLEXO/LETTERFLEX 'PFL' INK DATA SHEET (EPFLX)



DESCRIPTION:

- Non Hazardous solvent based Thermoset ink paste.
- Highly wash resistant ink for Printed Fabric Labels (PFL)
- Single pack Ink (2-pack Upgrade available)
- Conforms to garment manufacturer requirements



ELITE PRINTING INK COMPANY COLOUR AND CODING CHART:		
D-BLACK (Blackest Black)	EPFLX-DBLACK	
MIXING BLACK	EPFLX-MBLACK	
D-WHITE (Whitest White)	EPFLX-DWHITE	
MIXING WHITE	EPFLX-MWHITE	
YELLOW	EPFLX-YELLOW	
PINK	EPFLX-PINK	
BLUE	EPFLX-BLUE	
VIOLET	EPFLX-VIOLET	
RED	EPFLX-RED	
ORANGE	EPFLX-ORANGE	
GREEN	EPFLX-GREEN	
CLEAR	EPFLX-CLEAR	
PANTONE AND CUSTOM COLOURS	EPFLX-COLOUR NAME- PMS REF e.g. 032C = EPFLX-RED-032C EPFLX-DRED-0032C	<i>**We shall advise at time of order if colour match is not possible**</i>
OPAQUE RED	EPFLX-DRED-0032C	**WARNING CONTAINING**
HARDENER/CROSSLINKER	EPFLX-HARDENER	
GOLD POWDER	EPFLX-GOLD-871C	
SILVER POWDER	EPFLX-SILVER-877C	
THINNER	EPFLX-REDUCER	
RETARDER	EPFLX-RETARDER	
NON HAZ CLEANER	EPFLX-CLEANER	
EXCELLENT SERVICE FAST DISPATCH	-	

Due to limited colour availability on pixelated screens the colour chart is indicative of the colour range and should not be used as an exact match of products on order. Please contact EPIC team for assistance.



SUITABLE SUBSTRATES:

- Polyester Satin
- Polyester Taffeta
- Polyester Taffeta
- Acetate Satin
- Coated Nylon
- Taffeta (PU & Acrylic)
- 100% Cotton
- Polycotton
- Polyurethane
- Organza
- Tyvek

Substrates to be printed must be tested for suitability with the EPIC FLEXO (EPFLX-) Ink prior to production.

SUITABLE MACHINERY:

Letterflex machinery also known as Flexo, Rotary Flexo. We will ask for brand name and model to ensure suitability prior to sampling or supplying EPFLX-Inks.

BENEFITS:

EPFLX- inks have been formulated to produce durable and wash resistant Printed Fabric Labels (PFL)

- SGS Wash Resistance up to 90°C (colour dependant)
- Dry Cleanable (colour dependant)
- OEKOTEX 100 Class 1 certified (printed onto Polyester Satin)
- Excellent Cut & Fold properties
- Will meet AATCC61 wash standards
- AATCC 8 Wet / Dry Rub properties
- V.O.C. Free
- ENZYME washable as single pack ink
- C15 (M&S) standard wash (two pack)
- Conforms to most Restricted Substance Lists

Supported documents, reports and certificates can be provided for above on request.

USAGE SINGLE PACK INK

- EPFLX- ink is supplied single-pack and ready to use, but should be thoroughly mixed prior to use
- Place the ink into the ink duct on the machine, adjust machine settings and commence printing.
- If ink is too thick add up-to 20% EPFLX-REDUCER
- If ink is drying too quickly add up-to 5% EPFLX-RETARDER
- If ink is drying too slowly add up-to 5% EPFLX-ACCELERATOR
- Heat cure printed fabric/substrate roll for 125 Celsius for 3-4 Hours. Taffeta's can be Heat cured at 90 Celsius for 3-4 hours due to fabric stability. Heat cure in a thermostatically controlled oven with adequate ventilation & extraction.

USAGE TWO PACK INK (INCREASED RESISTANCES)

- Add 10% EPFLX-HARDENER to desired ink to be used for production and mix well
- Place the ink into the ink duct on the machine, adjust machine settings and commence printing.
- If ink is too thick add up-to 20% EPFLX-REDUCER
- If ink is drying too quickly add up-to 5% EPFLX-RETARDER
- If ink is drying too slowly add up-to 5% EPFLX-ACCELERATOR
- Heat cure printed fabric/substrate roll for 125 Celsius for 3-4 Hours. Taffeta's can be Heat cured at 90 Celsius for 3-4 hours due to fabric stability. Heat cure in a thermostatically controlled oven with adequate ventilation & extraction.
- Where no heat curing is possibly/available, Printed Fabric Label can be stored at room temperature for 14 days to achieve 75% resistance of the 'cured' Printed Fabric Labels.
- The pot-life of the ink will be 2 - 6 hours dependant on temperature and humidity levels. It is of upmost importance that the machine parts e.g. Anilox Roller, Polymer plates etc as thoroughly cleaned after use with EPFLX-CLEANER as the two-pack ink will irreversibly harden.

GENERAL ADVICE

Anilox Roller Guidance:

Fine text and process work

180 -200 lines per inch (72 - 80 lines per cm)

Large text, Metallics and optimum opacity

100 -165 lines per inch (40 - 66 lines per cm)

Metallic Silver:

To obtain optimum durability, the Metallic Silver (EPFLX-SILVER-877C) must be used as a two pack ink system e.g. EPFLX-SILVER-877C + 10% EPFLX-HARDENER

Shelf Life:

EPFLX- INK Minimum of 24 months when product is stored between 5 – 25 Celsius and out of direct sunlight. In reality the only issue after or prior to 24 months will be solvent loss so EPFLX-REDUCER can be added at your desired amount.

EPFLX-HARDENER has a 12 month shelf life, this product is reactive to moisture, we recommend sealing the bottle/container immediately after use to prevent excessive airborne moisture from contacting the product.



EPIC TEAM MESSAGE

We are available to our clients via email, phone, SKYPE or in person. We believe that our service levels, pricing and product quality are all unbeatable. Our policy is striving to offer the lowest market pricing based on our relatively low overheads and strong policy to work on below market profit margins. EPIC's pricing policy is to keep prices low but quality high to our clients and partners.

Please contact our team for any further advise, we are here to help.

 SKYPE ID : kushu.epic

 MAIL : kushu@epicinks.co.uk

6 CHURCHFIELD INDUSTRIAL PARK,CHURCH STREET,NOTTINGHAM.NG6 0GA. UK

+44(0)447 5873 67415

+44(0)115 975 1294

WWW.EPICINKS.CO.UK

For all your
Printed Fabric Label (PFL) INK Needs!



Elite Printing Ink Company

