



Flexitex FE Plastisol Inks

Flexitex FE inks are plastisol inks designed for direct printing on to a wide variety of natural and synthetic fabrics. Fully cured, the ink film is highly elastic and resistant to cracking. They cure at a lower temperature than conventional plastisols, making them suitable for printing many heat sensitive materials and those prone to dye bleeding at normal plastisol curing temperatures.

Curing Information

Flexitex FE inks must be heat cured at a minimum of 130°C to achieve full wash fastness. Differences in film weight, drying equipment and fabric will greatly affect the dwell time required, but 1.5 – 3 minutes is typical. Some infra-red units can achieve full cure in a very short time. **It is essential that the entire thickness of the ink film has time to reach the cure temperature or resistance properties will not be achieved. Evaluate your cure schedule by testing the print at the wash schedule it will ultimately be expected to pass.**

Flash Curing

Many factors affect the dwell time for flash curing. These include the type and wavelength of the equipment used and the distance between the curing unit and the print. Additional factors such as fabric and ink colour, film weight and coverage are also crucial.

Fastness

Flexitex FE inks have good wash fastness to I.S.O. Test Nos. 1 (40°C), 2 (50°C) and 3 (60°C). Prints may be ironed from the back of the fabric at a cool setting with a cloth over the printed area. **Prints will not resist dry-cleaning and garments should be marked to this effect.**

Colour Range

FE021 Athletic White
FE381 Extender Base

Available in 5 ltr containers.

Reducer

ZE591 Plastisol Flow Thinner

Available in 5 ltr containers.

Ancillary Products

During printing, fabrics have to be held to the table by means of a pressure sensitive adhesive to ensure good definition is obtained. FlashFix and T-Fix Extra Spray Adhesives are suitable for this purpose. (See relevant Product Information Sheets).

Main Characteristics

Curing

The ink film must reach 130°C

Thinning

To reduce tack level and produce softer hand, use up to 5% ZE591 Plastisol Flow Thinner (elasticity may be slightly reduced).

Wash-up

Wash up with Universal Screen Wash Seriwash, ZS640 Tursub or Actisol Superjet Screen Spray.

Mesh

Monofilament 21-43 for optimum opacity and elasticity. Up to Monofilament 90 for softer feel or printing fine detail.

Stencil Type

Most solvent resistant stencils are suitable.

Recommended:

Dirasol SuperTex or Dirasol 916.

Coverage & Mesh No.

12-16 m²/ltr. No. 43 monofilament.

Applications

Most knitted and woven fabrics typically used for T-shirts, Sweat Shirts, Sports and Fashion Wear, Badges, Hats and Caps, Travel Bags, Footwear.

Fabrics

Suitable on most common, natural and synthetic, fibres i.e. Cotton, Cotton/polyester blends. Many grades of synthetic fabrics.

Properties

Extremely tough, stretchable film. Low temperature curing. Suitable for heat sensitive materials. Lead-free, unlimited screen stability. Excellent wash resistance.

IMPORTANT: Stir well before every use. Users should satisfy themselves that Flexitex FE is compatible with specific textiles and resistance properties are acceptable before commencing production runs.

Fujifilm Sericol UK Ltd

- Has certification to the International Environmental Standard ISO 14001.
- Is committed to minimising the risk to users of our products and also to minimising the impact of our activities on the environment, from formulation through to production and supply.
- Research & Development team, work to an in house Health, Safety and Environmental policy, termed 'Design for Health, Safety and Environment', with the aim of proactively developing products with the least impact on health, safety and the environment.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reducing waste through better use of raw materials, energy, water, re-use and recycling.

Safety and Handling

Flexitex FE:

- Is formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC.
- Has a flashpoint greater than 55°C and is therefore not classified as a "dangerous substance" under the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR).
- Is not routinely tested, but is formulated to comply with the EN71-3 1995 Toy Safety Standard
- For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product..
- Comprehensive information on the safety and handling of Fletitex FE inks, solvents and associated products is given in the appropriate Safety Data Sheets.

Environmental Information

Flexitex FE:

- Is free from heavy metals.
- Does not contain ozone depleting chemicals as described in the Montreal Convention.
- Is formulated free from aromatic hydrocarbons.
- Is free of any volatile solvent and can therefore be considered to have less impact on the environment, when compared with solvent-based products.

Öko-Tex Standard 100

Contact your Fujifilm Sericol supplier for the latest information concerning the compliance of Fujifilm Sericol inks.

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

SERICOL
More than ink...Solutions.

FUJIFILM

FUJIFILM SERICOL UK LIMITED

Pysons Road Broadstairs Kent CT10 2LE United Kingdom
Tel: (01843) 866668 Fax: (01843) 872184



UK Sales Tel: (01992) 782619 Fax: (01992) 782602
Email: uksales@fujifilmsericol.com

Customer Service Centres Tel: 0845 084 89 89

Export Sales

Pysons Road Broadstairs Kent CT10 2LE United Kingdom
Tel: +44 (0)1843 866668 Fax: +44 (0)1843 872122
Email: exportsales@fujifilmsericol.com

www.fujifilmsericol.com