



## Metatran Foil Transfer System

The Metatran Foil Transfer System comprises a screen printable adhesive plus heat transfer foils, for the production of mirror finish metallic prints onto cotton and many synthetic fabrics.

Metatran Adhesive is first printed and partially cured on the substrate. Metatran foil, carried on a polyester film, is then applied by heat press. Removing the polyester carrier film leaves the metallic foil adhered to the printed adhesive.

A two-step transfer process may alternatively be used.

The end uses of foil transfers are novelty and fashion.

Metatran Adhesive and Metatran Foils are Phthalate Compliant<sup>(1)</sup>.

### Production of Metatran Foil Transfers

Three options are available for the production of foil transfers:

#### Method 1: Hybrid Transfer System

Print image using Metatran Adhesive directly onto the fabric, set and then apply Metatran foil to adhesive image using a transfer press.

**Mesh:** 34-62.

**Drying:** Heat Set at 120-140°C for 1-2 minutes.

**Transfer Schedule:** 170-180°C for 15-20 seconds.

(Allow the transfer to cool before removing the foil.)

#### Method 2: Two Step Transfer Process

Print Metatran Adhesive image onto transfer paper, then transfer onto the garment. Allow to cool, then transfer Metatran foil onto the adhesive.

**Mesh:** 43-62.

**Transfer Paper:** TRW29, TRB08, TRB20 transfer paper.

**Drying:** Heat Set at 110-120°C for 30-60 seconds

**Transfer Schedule:** 170-180°C for 15-20 seconds

(Allow adhesive transfer and foil transfer to cool before removing carrier.)

#### Method 3: Short Run Printing

For short runs, the Metatran Adhesive may be printed directly onto the foil and then transferred. The foil should be held in place by a vacuum table.

**Mesh:** 43-62

**Drying:** Heat set at 110-120°C for 30-60 seconds.

**Transfer Schedule:** 170-180°C for 15-20 seconds.

(Allow the transfer to cool before removing carrier.)

Due to the complex nature of decorating garments with transfers, customers must confirm suitability through pre-production testing.

### Fastness/Resistance

**Wash:** Up to 40°C.

**Dry Clean:** Not Suitable.

**Direct Iron:** Not Suitable.

**Industrial:** Not Suitable.

### Transfer Equipment

Flat Bed Transfer Press

### Products Required

ON421 Metatran Adhesive

ON591 Advantage ON Thinner

Available in 5 ltr containers.

### Metatran Transfer Foils

KFT23	Gold
KFT24	Silver
KFT26	Metallic Red
KFT27	Metallic Blue
KFT28	Metallic Green
KFT32	Bronze
KFT33	Copper
KFT34	Metallic Fuchsia
KFT35	Clear
KFT36	Gunmetal
KFT37	Platinum

Rolls 750mm x 100m.

## Fujifilm Speciality Ink Systems 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

Metatran Adhesive:

- Is formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC.
- Is not routinely tested, but is formulated to comply with the EN71-3 1995 Toy Safety Standard.
- 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).
- 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 Metatran Adhesive is given in the appropriate Safety Data Sheet.

## Environmental Information

Metatran Foils and Adhesive:

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

*(1) Phthalate Compliant means that the products listed in this Product Information Sheet are formulated not to contain the Phthalates restricted for use by Council Directive 76/769/EEC (as amended).*

*The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of Fujifilm Speciality Ink Systems Limited and its associated companies, 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.*

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