

# TJA03 Litho Back-Up White<sup>(1)</sup>

## PRODUCT INFORMATION

TJA03 is a screen printable, flexible Litho Back-Up White that is suitable for transfers based on a lithographic offset ink. This product allows the production of high opacity Cold Peel transfers of almost photographic quality.

Available in 5ltr units.

### Lithographic Inks

Oxidation drying inks. No firm recommendation can be made, as these products are beyond our control. Discuss your requirement with your litho ink supplier.

### Setting/Transferring

The lithographic prints have a minimum period before backing-up (recommend 24 hours). They also have a maximum 'open' period in which they can be backed-up, typically 5-6 days after printing. Therefore we would recommend that the litho prints are backed-up 2-6 days after printing.

TJA03 should be heat set at 100-130°C for 30-60 seconds.

Transfer temperature should be slightly higher than for standard Cold Peel transfers, i.e. 180-190°C for 10-15 seconds, with medium pressure. Allow to cool before removing the paper.

### Fabrics

Litho transfers with TJA03 may be applied to most natural and synthetic fabrics. Caution should be used when applying transfers to heat sensitive fabrics. It is strongly recommended that the lowest temperature is used that will give adequate transfer properties and wash resistance.

Certain fabrics, e.g. nylon bags, may require a higher temperature than 180°C to accept a litho transfer backed with TJA03. For these fabrics XM378 powder may be required to be sprinkled over TJA03 prior to setting, in order to obtain adequate resistance properties.

### Storage

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.

When stored at optimum storage conditions TJA03 is expected to have a shelf life of approximately 24 months from date of manufacture.

## Main characteristics

### Thinning

TJA03 may be thinned with up to 3% ON591 Texopaque Advantage Thinner, although this will effect opacity, and may alter adhesion range.

### Wash-up

Wash up with ZT639 Screen Wash Universal, ZS640 Tursub or ARG13 Actisol Superjet Screen Spray.

### Mesh

Nos. 21-43 monofilament are recommended. Thin deposits will 'sink' into the garment leading to a weak transfer and poor adhesion. The design should be printed in reverse. Only the areas where the litho print is backed-up will transfer to the garment.

### Stencil Recommendation

Most direct stencil materials are suitable.

Recommended: Dirasol 916, Dirasol SuperTex or Dirasol 125.

### Coverage & Mesh

12-16m<sup>2</sup>/ltr through 43 monofilament.

### Fastness

Prints will have good wash fastness to ISE test No.1 (40°C). Incompatibility between the litho ink and TJA03 will cause the litho ink to be washed off the back-up during laundering. Prints are not suitable for drying cleaning or direct ironing and garments should be marked to this affect.

**IMPORTANT: Stir well before every use. TJA03 should be fully assessed by users for suitability of the intended end use before commencing production run.**

## Fujifilm Speciality Ink Systems Limited:

- Has certification to the International Environmental Standard, ISO 14001.
- Has certification to the Quality Management Standard, ISO 9001.
- Has certification to the Occupational Health and Safety Standard, OHSAS 18001.
- 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 and 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

TJA03:

- Is formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC (as amended).
- Unless otherwise indicated, colours in the range are routinely tested and supplied EN71-3 2013 approved.

Comprehensive information on the safety and handling of TJA03, solvents and associated products is given in the appropriate Safety Data Sheets.

## Environmental Information

TJA03:

- Does not contain ozone depleting chemicals as described in the Montreal Convention.
- Is formulated free from aromatic hydrocarbons.

**Important: TJA03 has been developed not to contain phthalates restricted for use by Council Directive 76/769/EEC (as amended). However the possibility for low level contamination during the manufacturing process exists. In addition users must be aware of potential sources of contamination such as squeegees, flood coaters, screens and curing equipment which may all contribute trace amounts of restricted phthalate materials from previous use with other plastisols.**

*<sup>(1)</sup> 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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