

TK Textile Pigment Concentrates

TK Textile Pigment Concentrates are a range of water-based dispersions for easy mixing into Texiscreen Aqua AJ and Extender Base. The resulting blend is a ready to use water-based textile ink with specific characteristics as listed below.

TK Concentrates + Texiscreen Aqua AJ381 Extender Base

To produce brilliant transparent shades ideal for use on cotton, cotton/polyester blends and many synthetic fabrics. Finished prints have an extremely low feel or 'handle' and excellent resistance to washing, dry cleaning and ironing. Prints require heat curing at 150-170°C for 2-3 minutes.

TK Concentrates + Texiscreen Aqua AJ403 Opaque White Base

To produce bright opaque shades suitable for use on cotton, cotton/polyester blends and many synthetic fabrics. Finished prints have a very low feel or 'handle' and excellent resistance to washing, dry cleaning and ironing. Prints require heat curing at 150-170°C for 3-4 minutes.

More detailed information is available in the Texiscreen Aqua AJ Product Information Sheet.

Colour Range and Mixing Ratios

The colours in the TK range are fully intermixable, but caution should be exercised in order that excessive amounts are not added to the Extender Base, as this may adversely affect resistance properties.

The table below shows the range of colours and their corresponding product codes. In addition, mixing ratios are given which represent the percentage by weight of TK Colour Concentrate required to be blended into each Extender Base in order to obtain a close approximation of the ready mixed standard colours illustrated in the Fujifilm Textile Colour Guide.

Fastness

The fastness of the ink mixtures will be dependent on the base component used. Refer to the respective Product Information Sheet for details.

As always, pre-production testing is strongly recommended to ensure resistance properties meet individual requirements.

Extender Base

Texiscreen Aqua

	TK Concentrate Product Code/Colour		AJ381 Transparent	AJ403 Opaque
	TK001 TK021 TK057	Black White Primrose	8.1% 9.0% 3.6%	8.1% 11.0% 3.6%
	TK046 TK103 TK122	Golden Yellow Orange Scarlet	5.8% 4.3% 5.6%	5.8% 7.0% 10.0%
	TK152 TK153 TK126	Brick Red Carmine Magenta	4.3% 6.2% 4.3%	10.0% 7.0% 6.0%
	TK154 TK132 TK218	Fuchsia Violet Azure	6.0% 3.2% 3.2%	6.0% 3.4% 5.0%
	TK219 TK316 TK315	Oxford Blue Sea Green Emerald Green	5.5% 6.1% 2.4%	6.5% 6.1% 7.6%
	TK343	Brown	4.5%	7.6%

TK concentrates are available in 1 kg containers.

Extender Bases: AJ381 and AJ403 are available in 5 ltr containers.

Fujifilm Speciality Ink Systems Limited

- 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

TK Textile Pigment Concentrates:

- Are formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/ EC.
- Have a flashpoint greater than 55°C and are therefore not classified as a 'dangerous substance' under the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR).
- Are formulated free from lead and other heavy metals and therefore should comply to the EN71-3:1995 Toy Safety Standard.

Comprehensive information on the safety and handling of TK Concentrates, each Extender Base and solvents is given in the appropriate Safety Data Sheets.

Environmental Information

TK Textile Pigment Concentrates:

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

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.



Local Distributor:

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