

# Universal Tinters

## Solvent Based Inks

### PRODUCT INFORMATION

Universal Tinters are highly concentrated solvent-based pigments for use in colour matching materials.

#### Standard Tinters

The 11 standard shades have a fairly high viscosity owing to their exceptionally high pigment concentration and need to be thoroughly dispersed. In the absence of mechanical mixers it is recommended that equal parts of ink and tinter are blended together first and then this mixture stirred into the final quantity of ink required.

Available in 1kg units.

#### Fluorescent Tinters

**Fluorescent Universal Tinters do not have the same degree of light-fastness** as the non-fluorescents and should not be used where prolonged outdoor exposure is required. These tinters are compatible with all Fujifilm solvent based paper and board inks and may be used up to a maximum of 20%. **Ink blends containing fluorescent tinters should be used within 28 days.**

In Fujifilm plastic inks, the fluorescent tinters should not be used in excess of 10% as print performance and adhesion properties could be adversely affected. Because the strong solvents used in plastic inks could cause bleeding in the fluorescent tinter pigments, a colour change may occur when overprinting the mixed colours.

#### Main characteristics

##### Mixing Ratio

**Standard Tinters:** Maximum 10% may be added to most solvent-based inks.

**Fluorescent Tinters:** Maximum 20% for paper and board inks and 10% for plastic inks.

##### Properties

Highly concentrated colour. Standard colours have good light fastness.

##### Co-use with other Inks

Can be used with most Fujifilm solvent-based ink ranges.

**Not recommended for water-based inks.**

**IMPORTANT: Stir well before every use. Always test application fully before beginning production run as addition of Universal Tinters may effect performance, finish and adhesion of a particular ink range.**

**On no account should fluorescent tinters be blended with inks which are used in the production of double-sided stickers. Universal Tinters should not be used in Plastijet XG as adhesion to certain plastics may be impaired.**

Available in 1kg units.

Compatibility	CS	MG	NB	NX	PY	TH	SX
UT046 Golden Yellow*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT058 Primrose Yellow*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT103 Orange*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT122 Scarlet*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT126 Magenta*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT132 Violet*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT133 Brilliant Red*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT205 Monastral Blue RS*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT210 Ultra Blue*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT224 Monastral Blue GS*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT284 Monastral Green*	Up to 10%	Up to 10%	Up to 5%	Up to 5%	Up to 10%	Up to 10%	Up to 10%
UT053 Fluorescent Yellow L	Up to 20%	-	Up to 5%	Up to 5%	-	Up to 10%	Up to 20%
UT105 Fluorescent Orange M	Up to 20%	-	Up to 5%	Up to 5%	-	Up to 10%	Up to 20%
UT137 Fluorescent Red M	Up to 20%	-	Up to 5%	Up to 5%	-	Up to 10%	Up to 20%
UT139 Fluorescent Magenta M	Up to 20%	-	Up to 5%	Up to 5%	-	Up to 10%	Up to 20%

\*In weakly tinted, transparent or pastel shades, light resistance may be reduced.

## Storage

Store in a cool, dry place in tightly sealed containers. 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 Universal Tinters are expected to have a shelf life of at least 36 months from date of manufacture.

### 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

Universal Tinters:

- Are formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC (as amended).

Comprehensive information on the safety and handling of Universal Tinters and associated products is given in the appropriate Safety Data Sheets.

### Environmental Information

Universal Tinters:

- Do not contain ozone-depleting chemicals as described in the Montreal Convention.

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.

---

#### FUJIFILM SPECIALITY INK SYSTEMS LIMITED

Pysons Road, Broadstairs  
Kent CT10 2LE  
United Kingdom  
T: +44 (0)1843 866668  
F: +44 (0)1843 872184  
www.fujifilm.eu