



Universal Tinters, Overprint Varnishes, Metallic Powders & Ink Media

Universal Tinters

Highly concentrated pigments for use in colour matching.

Standard (Non-fluorescent) Colours

The 10 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.

Fluorescent Universal 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 Sericol 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 Sericol 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.

On no account should fluorescent tinters be blended with inks which are used in the production of double-sided stickers.

Universal Tinter should not be used in Plastijet XG as adhesion to certain plastic stocks may be impaired.

Main Characteristics - Universal Tinters

Standard Colours	Light Resistance	Tint Strength
UT058 Primrose Yellow	Good*	Very High
UT046 Golden Yellow	Good*	Very High
UT103 Orange	Good*	Very High
UT133 Brilliant Red	Good*	Very High
UT122 Scarlet	Good*	Very High
UT126 Magenta	Very Good*	Very High
UT132 Violet	Very Good*	High
UT210 Ultra Blue	Good*	Medium
UT205 Monastral Blue	Very Good*	Very High
UT284 Monastral Green	Very Good*	Very High

Available in 1 kg containers.

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

Fluorescent Colours:

UT053 Fluorescent Yellow L		
UT105 Fluorescent Orange M	Low	Very High
UT137 Fluorescent Red M		
UT139 Fluorescent Magenta M		

Available in 1 kg containers.

Mixing Ratio

Standard Colour Range: Maximum 10% may be added to most solvent-based inks.

Fluorescent Colours: 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 Sericol solvent-based ink ranges.

Not recommended for water-based inks.

IMPORTANT:

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

Metallic Pastes and Ink Media

Metallic powders and pastes enable printers to prepare metallic screen inks by mixing with a Metallic Ink Medium, Extender Base or Varnish as appropriate. The resulting blends give excellent finish, definition and printability. Because of the lack of adequate interface adhesion when overprinting metallic inks, these should not be used as the obliterating coat in the production of double-sided stickers. MattPlast MG Obliterating Grey MG500 is available for this application.

Colour Range

2 superfine grades.

MP461 Rich Pale Gold Powder Superfine
MP467 Silver Paste Superfine

Available in 1 kg containers.

Mixing Ratio

Ink medium should be mixed with the metallic powder or paste in the ratio of 80 parts medium to 20 parts powder by weight. A decrease in the proportion of metallic powder will give better rub resistance and vacuum forming properties, with a marginal reduction in brilliance and opacity.

For further details of Metallic Ink Media, refer to the Product Information Sheet covering the appropriate ink or varnish. For details of mixing metallic shades in UV curing inks, see relevant Product Information sheet.

Metallic Ink Media

CO382	Colorjet CO Metallic Ink Medium
OT383	Coolstar OT Varnish
SX383*	Seristar SX Varnish
CS381*	Colorstar CS Extender Base
CR383*	Corripol CR Varnish
NB381*	Nylobag NB Extender Base
PS383*	Polyscreen PS Varnish

* Mix amount required for a day's work only. Metallic colours mixed from these media should be used within 8 hours after which they will become unusable.

Before using varnishes other than those listed above as a Metallic Ink Medium, it is strongly recommended that the FUJIFILM Sericol Technical Service Department is consulted.

IMPORTANT:

Stir well before every use. Overprinting of some metallic inks can produce adhesion problems and metallics should be printed last. Where this is not feasible, prior testing of overprinting characteristics is essential.

Overprint Varnishes

Approximate Product	Finish	Applications & Characteristics	Drying	Coverage and Thinning	Mesh No.
Polyplast PY Varnish PY383	High Gloss	Varnishing vinyl inks including fluorescent.	Air or Jet	10-20% ZV557	60-80m ² /ltr No. 120
Polyplast PY EL Varnish PY433	High Gloss	Overprint Varnish for Polyplast PY EL inks to maximise outdoor weathering performance.	Air or Jet	10-20% ZV557	55-65m ² /ltr No. 90
APR Varnish VA401	High Gloss	Varnishing Polyplast PY on vinyl stock. Petrol & alcohol resistant. Accepts application tapes.	Air or Jet	20-25% ZV557	55-65m ² /ltr No. 90
Plastijet XG Varnish XG383	High Gloss	High speed varnishing of vinyl. Ultra-fast drying, light & weather resistant varnish.	Air or Jet	20-30% ZV551	80-100m ² /ltr No. 110

Fujifilm Sericol UK 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

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).
- Are not routinely tested, but are formulated to comply with the EN71-3 1995 Toy Safety Standard

Comprehensive information on the safety and handling of Universal Tinters, Metallic Inks and Varnishes is given in the appropriate FUJIFILM Sericol Safety Data Sheets, available on request.

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 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.

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