



## Solvent-based Fluorescent Inks for Paper, Board & Plastics

### Colorplus Fluorescent CF

Colorplus Fluorescent CF inks are suitable for printing paper, board and polystyrene on all types of production equipment.

#### Properties

Fast drying to a hard matt finish. Excellent screen stability and self-solvency. Exceptional brilliance with maximum visibility at dusk and dawn. High pigmentation giving excellent coverage.

### Plastipure Fluorescent FP

Plastipure Fluorescent FP are low odour inks designed for use on self-adhesive and rigid PVC, self-cling PVC, top coated polyester, acrylic and polycarbonate sheet, ABS, CAB and some grades of polystyrene.

#### Properties

Exceptionally low odour of ink and finished print. Exceptional brilliance with maximum visibility at dusk and dawn. Fast drying with excellent screen stability and self-solvency.

### Outdoor Use

CF/FP fluorescents have exceptional brilliance. When a heavy ink deposit is printed through a coarse mesh (e.g. No. 71T monofilament), the following outdoor life may be expected in a temperate climate (such as the UK):

Colorplus Fluorescent CF 3-6 months.

Plastipure Fluorescent FP 6-12 months.

Indoors, away from direct sunlight, they will last almost indefinitely.

### Spraying and Brushing

Suitably thinned, Colorplus Fluorescent CF can be brushed or sprayed. As the colours are relatively transparent, care should be taken to apply an even film over a white undercoat. Brushes and spray guns should be thoroughly cleaned to avoid contamination.

### Plastics

Certain plastics may be impregnated with lubricants which, like plasticiser migration, may impair adhesion and block resistance a considerable period after printing. This can usually be overcome by wiping the surface with White Spirit before printing. Surface adhesive left from protective papers on rigid PVC and acrylic sheets should be removed in line with supplier's instructions.

Certain plastics can become brittle when printed, possibly to the point of shattering, often only after several weeks.

It is therefore essential to check compatibility between ink and plastic to guard against all these problems.

### Vacuum Forming

Plastipure Fluorescent FP is suitable for vacuum forming on PVC, Polystyrene, ABS and certain grades of CAB and Cellulose Acetate.

### Main Characteristics

#### Finish

Colorplus Fluorescent CF: Matt

Plastipure Fluorescent FP: Matt

#### Drying

Colorplus Fluorescent CF: Jet drying: 50-70°C, 10-20 secs.

Air drying: 10-20 minutes

Plastipure Fluorescent FP: Jet drying: 50°C, 10-17 secs.

Air drying: 3 minutes approximately.

#### Thinning

Colorplus Fluorescent CF: 10-20% with ZS640.

Hot shop conditions use ZT606. High speed printing use ZV556.

Plastipure Fluorescent FP: 5-10% with ZC521.

#### Wash-up

Seriwash Universal Screen Wash or Actisol Superjet Screen Spray.

#### Mesh

Nos. 71-90 monofilament.

#### Stencil Recommendation

All solvent resistant.

Dirasol 902, Dirasol 916.

Indirect or 35 micron capillary film. 25/35 micron for Colorplus Fluorescent CF.

#### Coverage & Mesh No.

Colorplus Fluorescent CF: 35-45 m<sup>2</sup>/ltr. No. 90

Plastipure Fluorescent FP: 30-35 m<sup>2</sup>/kg. No. 90

#### Colour Range

Colorplus Fluorescent CF: 9 shades

Plastipure Fluorescent FP: 5 shades

#### Co-use with Other Inks

Colorplus Fluorescent CF is fully miscible with Colorjet CO. Should not be mixed with any other ink or varnish.

If a fluorescent colour is required to brighten another paper and board ink, Fluorescent Universal Tinters should be used. May overprint Coolstar OT, Seristar SX and Colorjet CO or may be overprinted by them. SV760 Screen Varnish or UV390 Uvibond Varnish (UV Curing) are recommended, when over-varnishing.

Plastipure Fluorescent FP may be mixed in all proportions with Polyplast PY, Matt Vinyl MV and MattPlast MG, and be used to overprint fully dried prints of them.

Plastipure Fluorescent should not be overprinted by other inks as they can bleed through.

#### IMPORTANT:

Stir well before every use. When printing double-sided work, extreme care is required to avoid blocking.

If possible, interleave double-sided work on boards.

Always test application fully before beginning production run.

## Colour Range

The suffixes L, M and D after each colour name denote light, medium and deep shades. Magenta S is a strong, deep shade.

### Colorplus Fluorescent CF:

CF312	Green M
CF053	Yellow L
CF054	Yellow 2D
CF105	Orange M
CF136	Red L
CF137	Red M
CF139	Magenta M
CF167	Magenta S
CF216	Blue L

Available in 5 and 1 ltr containers.

### Plastipure Fluorescent FP:

FP312	Green M
FP053	Yellow L
FP105	Orange M
FP137	Red M
FP139	Magenta M

Available in 5 and 1 kg containers.

## Solvents

### For Colorplus Fluorescent CF:

ZS640	Tursub
ZV556	Fast Thinner
ZT606	Retarder
ZV644	Polystyrene Thinner

### For Plastipure Fluorescent FP:

ZC521	Thinner
ZC533	Retarder
ZV556	Fast Thinner

Available in 25, 5 and 1 ltr containers.

## Other fluorescent inks

The following inks contain fluorescent colours as part of their standard colour ranges. Please refer to appropriate information sheet.

**Corripol CR** is designed for printing fluted polyolefin sheets used for signs, displays and estate agent boards etc..

**Optima TY** Transfer Ink System. For the production of durable graphic transfers.

**Uvispeed Gloss UX** UV curing graphic inks.

**Seridisc Fluorescent FK** for CD, CDR and DVD decorating.

## Universal Tinters

4 fluorescent tinters are available for addition to many Sericol ink ranges.

Fluorescent colours are also available as part of the Sericol Textile Ink range.

## Safety and Handling

Colorplus Fluorescent CF and Plastipure Fluorescent FP:

- are formulated to be free from any (toxic) carcinogenic, mutagenic or reprotoxic chemicals.
- are formulated free from lead and other heavy metals and therefore should comply to the EN71-3: 1988 Toy Safety Standard.
- should be stored away from heat.

Comprehensive information on the safety and handling of Colorplus and Plastipure Fluorescent screen inks and solvents is given in the appropriate Sericol Safety Data Sheet, available on request.

## Environmental Information

Colorplus Fluorescent CF and Plastipure Fluorescent FP:

- 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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More than ink...Solutions.



Sericol Limited Pysons Road Broadstairs Kent CT10 2LE England  
Telephone: (01843) 866668 Fax: (01843) 872074

UK Sales - Tel: (020) 8391 8010 Fax: (020) 8391 8008  
Email: UKsales@Sericol.com

Customer Service Centres - Tel: 0845 084 89 89  
Birmingham, Bristol, Broadstairs, Gateshead, Glasgow,  
Leeds, London-North, London-South, Warrington.

Technical Helpline - Tel: 0845 770 80 70

Export Sales  
Pysons Road Broadstairs Kent CT10 2LE England  
Tel: +44 (0)1843 866668 Fax: +44 (0)1843 872122  
Email: Exportsales@Sericol.com

[www.sericol.com](http://www.sericol.com)