

# Container Screen Inks

## SERIPOL SP

Fast Drying, Single Pack, Screen Inks for  
Pre-Treated Polyethylene & Polypropylene

### Features

- Solvent Based
- Fast Drying
- Excellent Screen Stability & Self Solvency
- High Gloss
- Suitable for Machine & Manual Printing
- Gives Higher Productivity & Profitability
- Good Abrasion Resistance
- Good Resistance to a Wide Range of Products
- Excellent Reclaimability of Printed Containers
- Unlimited Colour Matching Capability
- Capability of Matching Metallics

### Substrate

Pre-treated polyethylene and  
polypropylene

TEST INKS ON SUBSTRATES  
BEFORE PRODUCTION RUN

**SERICOL**  
More than ink...Solutions.  
FUJIFILM

## Thinning

Maximum of 20% by weight of ink used. Various options for thinning are available. Please refer to section on 'Solvents'.

## Mesh

Print the Seripol SP inks & metallics through 90/cm to 120/cm, monofilament polyester fabric, depending on the application. Depending on particle size, metallics may have to be printed through mesh that is coarser than 90/cm.

For fine details & half tone printing, use amber or yellow coloured fabric.

## Stencils

Stencils can best be prepared with Sericol's stencil making products:

Xtend Prep 101: for abrasion of screen

Xtend Prep 102: for degreasing of screen

Emulsions: Single pack emulsion Dirasol 132 or two-pack emulsions, viz., Dirasol 915 or Dirasol-22.

## Drying

Air dry: between 3 to 15 minutes, depending on size of printing, Allow sufficient time for through cure.

Convection Oven dry: 80 to 85 degree centigrade, for up to 120 seconds. Prints must be cooled to ambient temperature before packing.

## Coverage

Seripol SP inks should give coverage of 25 to 45 sq.m./kg, when printed through a 110/cm mesh.

## Wash Up

Wash up screens with SS639 Universal Screen Wash. This will ensure long life of stencils made with Dirasol emulsions.

## Pre-Treatment of Substrate

The substrate must be flame pre-treated to a level of 48 to 54 dyne/sq.cm. prior to screen printing.

Caution: To ensure proper adhesion of Seripol SP inks:

- The flame treatment level must be uniform over the entire area of the substrate.
- The substrate must be free of any oily substance, dirt and moisture before flame treatment is given.
- The flame treated substrate (surface) must not be handled with bare hands or with materials that will attract 'charge'.

## Pre-Production Test

End-user must determine suitability of this product for the intended use prior to production.

Always test for adhesion, product resistance and other properties before each production run because there can often be significant differences between substrates from different manufacturers and even between different batches.

## Storage

- Keep inks in a cool place, away from direct sunlight.
  - Keep lids tightly closed when not in use.
  - Any unused ink should not be returned to the can; must be stored separately.
  - Shelf life is two to three years from the date of manufacture.
  - Metallic inks have a short shelf life of less than six months from the date of manufacture.
  - Stir well before every use.
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## Applications

The Seripol SP inks are used for screen printing of pre-treated polyethylene and polypropylene containers that are used for packaging of lube oil, edible oil, most liquid soap & detergent, talcum powder, etc.

Caution: Seripol SP Ink System is not recommended for prolonged outdoor exposure.

## Product resistance

Seripol SP inks have good resistance to a wide variety of products including lube oil, edible oil, most liquid soap & detergent, talcum powder, etc.

Caution: Seripol SP inks are not resistant to cosmetics or products containing alcohol (such as lotions or perfumes), brake oil, etc.

Check for product resistance by Seripol SP prints before use in production.

## Colour Range

The Seripol SP Ink System includes Seritone Matching System colours, Line colours, Extender Base and a Trichromatic set.

## Metallic

A range of metallics can be developed on request. Caution: The product resistance of metallic inks is usually inferior to non-metallic colours. Secondly, metallic inks have a short shelf life of less than six months from the date of manufacture.

## Colour Matches

Colour matches can be supplied against prints and / or wet ink.

## Seripol Catalyst

For certain applications where product resistance needs to be developed very soon after printing, Seripol SO-386 catalyst is available.

Typical applications include 'in-line' filling plants where products such as bleach and washing up liquid are filled into the printed containers immediately after printing and drying.

## Seritone Colour Matching System

This consists of ten lead free, transparent colours that are suitable for intermixing to produce a wide range of clean shades. This system also contains seven lead containing colours.

### a) Lead Free Colours

SP-041	Light Yellow
SP-043	Seritone Yellow (RS)
SP-064	Seritone Yellow (GS)
SP-114	Seritone Orange
SP-121	Seritone Red (YS)
SP-127	Seritone Violet
SP-164	Seritone Red (BS)
SP-165	Seritone Magenta
SP-230	Seritone Blue
SP-325	Seritone Green
SP-383	Extender Base

### b) Lead Containing Colours

SP-040	Light Yellow (T)
SP-044	Seritone Yellow (RS) (T)
SP-065	Seritone Yellow (GS) (T)
SP-115	Seritone Orange (T)
SP-120	Seritone Red (YS) (T)
SP-163	Seritone Red (BS) (T)
SP-231	Seritone Blue (T)

## Line Colours

SP-001	Black
SP-021	White
SP-023	Extra Opaque White

## Trichromatic (Halftone) Colours

SP-004	Trichromatic Black
SP-052	Trichromatic Yellow
SP-135	Trichromatic Magenta
SP-215	Trichromatic Cyan
SP-386	Trichromatic Extender Base

## Mixing and pot Life

The proportion of Seripol SP inks and Seripol SO-386 catalyst, prior to thinning, is:

Seripol SP inks

95 parts by weight

Seripol SO-386 5 parts by weight

Seripol inks, once catalyzed, have a pot life of approximately 24 hours. It is recommended that only enough inks and catalyst are mixed for each day's use to avoid any problem of thickening.

## Solvents

SS-574	Slow Reducer (Retarder)
SS-579	Fast Reducer
SS-580	Reducer (Thinner)
SS-590	Extra Fast Reducer
SS-639	Universal Screen Wash

The slow reducer will increase the drying time of print, whilst the fast reducer will decrease the drying time of print.

## Safety and Handling

- Products marked (T) contain lead and therefore should not be used on objects liable to be chewed by children and may cause harm to unborn child.
- All other products are formulated free from lead and other heavy metals and are tested as per EN71-3:1988 Toy Safety Standard.

Comprehensive information on the safety and handling of Seripol SP screen inks and solvents is given in the Material Safety Data Sheet, which is available on request.

## Environmental Information

Seripol SP Ink System does 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 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*

