

Product Information



Seripol SO Screen Inks

Seripol SO is a single pack ink for printing pre-treated polyethylene and polypropylene.

Product Resistance

Seripol SO inks have resistance to bleaches, motor oils and most detergents. **They are not, however, resistant to cosmetics or products containing alcohol (such as certain lotions or perfumes). In these circumstances Unipol UF is recommended. Seripol inks are not recommended for outdoor exposure.**

It is recommended that Seripol inks are tested in conjunction with the product intended to be packed before embarking on production runs.

The Seritone Matching System

The Seritone Matching System enables printers to readily match special colours. The system consists of 9 base colours, selected for their cleanliness of tone, suitability for intermixing and product resistance. Using the Seritone base colours plus Black, White and Varnish, almost any colour can be produced.

Each Seritone base colour can be printed as an ink on its own, but because of required cleanliness of tone these colours, although strong, are relatively transparent.

Standard Colours

Seripol SO:

SO001		Black
SO021		White
SO023		Extra Opaque White
SO041		Light Yellow
SO064	(s)	Seritone Yellow (GS)
SO043	(s)	Mid Chrome/Seritone Yellow (RS)
SO114	(s)	Seritone Orange
SO121	(s)	Vermillion/Seritone Red (YS)
SO122		Scarlet
SO164	(s)	Seritone Red (BS)
SO165	(s)	Seritone Magenta
SO127	(s)	Deep Violet/Seritone Violet
SO203		Mid Blue
SO225		Ultramarine
SO230	(s)	Seritone Blue
SO283		Bright Green
SO325	(s)	Seritone Green
SO383		Seripol SO Varnish
SO386		Seripol SO Catalyst

(s) = Seritone Base Colours

(GS) = Green Shade (YS) = Yellow Shade

(RS) = Red Shade (BS) = Blue Shade

Available in 5 and 1 kg containers.

Solvents

ZE580	Thinner
ZE590	Extra Fast Thinner
ZE571	S599 Thinner
ZE574	Retarder

Available in 5 and 1 ltr containers.

ZE579 S103 Fast Thinner

Available in 15 and 5 ltr containers.

Main Characteristics

Finish

Gloss

Drying

Convection oven:80-85°C,30-120 seconds.

Air drying:3-10 minutes.

Thinning

Semi automatic printing:10-20% ZE580.

Automatic printing:10-20% ZE579 or ZE590.

Hot shop conditions:10-20% ZE571 or ZE574.

Wash-up

Xtend Screen Wash and Cleaner (See Xtend Screen Cleaners Product Information Sheet), ZE580 or Actisol Superjet Screen Spray. .

Mesh

Nos. 90-140 monofilament.

Stencil Type

All solvent resistant stencils are suitable.

Recommended:

Dirasol 902 or 18/25 micron capillary film.

Coverage & Mesh No.

23-43 m²/kg No. 110.

Applications

Pre-treated polyethylene and polypropylene.

Colour Range

17 including the Seritone Matching System.

Properties

Very fast drying, good abrasion resistance. Resistance to a wide range of products.

IMPORTANT:

Stir well before every use. Containers must be flame or corona discharge pre-treated prior to printing. A treatment level of 48 to 54 dynes/cm is recommended.

Seripol SO Catalyst

For certain applications where product resistance needs to be developed very soon after printing, Seripol SO 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.

Mixing and Pot Life

When it is necessary to use Seripol SO Screen Inks with Seripol SO Catalyst, they should be mixed in the following proportions prior to thinning.

Seripol SO Ink	95 parts by weight
Seripol SO Catalyst	5 parts by weight

Seripol, once catalysed, has a pot life of approximately 24 hours. It is recommended that only enough ink and catalyst are mixed for each day's use to avoid any problems of thickening.

Special Matches

Colours can be supplied against prints, wet ink samples or to PANTONE®* references, British Standard, 'HKS', 'Munsell' or 'Seritone' numbers. A sample of the substrate to be printed, with the number and type of mesh to be used, should be attached to orders.

The product resistance required of special matches may be very important and it is necessary that full details are supplied of the process to be followed and the product to be packed into the container.

Minimum quantity 5 kg.

Metallic Shades

Metallic shades can be obtained by mixing Seripol SO Varnish with Rich Pale Gold Powder - Superfine or Silver Paste - Superfine. Such mixtures should be used immediately as they have a short shelf life. See Product Information Sheet 'Universal Tinters, Metallic Inks and Varnishes'. The product resistance of metallic inks is usually inferior to non-metallic colours.

Safety and Handling

Seripol SO:

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

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

Environmental Information

Seripol SO:

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

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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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