

Pad Printing Inks

SERIPAD PD

Fast Drying, Single Pack, Pad Printing Gloss Inks for
Pre-Treated Polyethylene & Polypropylene

Features

- Oil Base
- Fast Drying
- Wet on Wet Multicolour Printing
- High Gloss
- Good Opacity
- Sharp Print Quality
- Excellent Adhesion to wide range of substrates
- Good Resistance to wide range of products
- Excellent reclaimability of Printed Articles
- Unlimited Colour Matching Capability

Substrate

Pre-treated polyethylene, Pre-treated Polypropylene, Polycarbonate, ABS, Acrylic etc

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'.

Drying

Air dry: At room temperature (25°C) the ink of Seripad PD series are grip dry within 5 minutes, depending on the size of printing, allow sufficient time for thorough cure.

The times mentioned above vary according to substrates, depth of Cliché, drying conditions and the auxiliaries used.

Cleaning

Cliches, Mould Plates and so on can be cleaned with SS-811. It must be noted that Pad does not come in contact with the Solvents. For the cleaning of the Pad please see to the Applications references of the Pad manufacturers. Protective gloves must be worn while cleaning operations.

Pre-Treatment of PE & PP Substrate

The substrate must be flame pre-treated to a level of 44 to 48 dyne/sq.cm prior to Pad Printing

Caution: To ensure proper adhesion of Seripad PD Inks:

- The flame treatment level must be uniform over
- 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'.

Note: Flame Treatment is recommended only for Polyethylene (PE) & Polypropylene (PP) Substrates

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.

A test for suitability must always be carried out before printing. Antistatic, Mould release agents and Slip Additives may have negative effects on adhesion, and should be detected and removed prior to printing.

Properties

After Proper and thorough drying, the ink film exhibits outstanding adhesion as well as rub, scratch, block resistance and is resistance to petrol.

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 one year from the date of manufacture.
 - Stir well before every use.
-

Applications

The Seripad PD inks are used for pre-treated polyethylene and polypropylene substrates and other suitable substrates used for packaging of Lube Oil, Edible oil, most liquid soaps and detergents, Talcum powder etc

Caution: Seripad PD Ink System is not recommended for prolonged outdoor exposure

Product resistance

Seripad PD inks have good resistance to a wide variety of products

Note:

Check for product resistance by Seripad PD prints before use in production.

Colour Range

The Seripad PD Ink System includes Seritone Matching System colours, Line colours, & Extender Base.

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

Line Colours

| | |
|--------|--------------------|
| PD-001 | Black |
| PD-021 | White |
| PD-023 | Extra Opaque White |

a) Lead Free Colours

| | |
|--------|----------------------|
| PD-064 | Seritone Yellow (GS) |
| PD-066 | Seritone Yellow (RS) |
| PD-114 | Seritone Orange |
| PD-121 | Seritone Red (YS) |
| PD-127 | Seritone Violet |
| PD-164 | Seritone Red (BS) |
| PD-165 | Seritone Magenta |
| PD-230 | Seritone Blue |
| PD-325 | Seritone Green |
| | |
| PD-383 | Clear Medium |

b) Lead Containing Colours

| | |
|--------|--------------------------|
| PD-044 | Seritone Yellow (RS) (T) |
| PD-065 | Seritone Yellow (GS) (T) |
| PD-115 | Seritone Orange (T) |
| PD-120 | Seritone Red (YS) (T) |
| PD-163 | Seritone Red (BS) (T) |

Trichromatic Colours

| | |
|--------|---------|
| PD-004 | Black |
| PD-215 | Cyan |
| PD-052 | Yellow |
| PD-135 | Magenta |

Colour Matches

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

Solvents

| | |
|--------|-------------------------|
| SS-808 | Reducer (Thinner) |
| SS-809 | Slow Reducer (Retarder) |
| SS-810 | Fast Reducer |
| SS-811 | Cleaning Aid for Tools |

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 contain lead and therefore should not be used on objects liable to be chewed by children and may cause harm to unborn child.

Important: The colour marked (T) are lead containing pigments, all other pigments are lead free pigments; however all the colours contain combination driers which are lead based and hence during analytical testing there is possibility of lead identification in ppm level. It is therefore necessary to test the lead /heavy metal levels for intended applications

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

Environmental Information

Seripad PD 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.

