

Ink

PLS Series

FIELD OF APPLICATION

Substrates

The screen-printing ink PLS is excellently suited to print onto PVC leather, Soft & Rigid PVC

Field of Use

PLS series is single component versatile ink to print on PVC leather, Soft & Rigid PVC.

PLS can also be processed with spray gun, drawing brush on PVC leather material. In order to avoid surface irregularities, we recommend to filter the thinned ink (25 microns screen) before processing.

CHARACTERISTICS

This glossy, physically drying screen printing ink exhibits good tackiness resistance, mechanical & chemical resistance as well as good flexibility and adhesion. Excellent printability and stable in color matching.

HOW TO USE

Pre clean the printed surface with either TP-71 or TP-91 to improve the mechanical strength of the ink. Dilute the ink with 10%-20% of TP- 65 (slow dry thinner) or TP-69 (Medium dry thinner). Use TP-67 to make the ink drying slower.

PLS Series ink is physically drying ink through the evaporation of solvent. While multi-color printing we recommend force drying by infrared lamps or hot air blower. This will reduce drying time

Tack Free Time	5-10 minutes	Natural Cure
Hard Drying Time	6-8 hours	Natural Cure

If several layers are printed longer drying time is recommended

CLEANER

Use TP-65 for cleaning the screen /washing up.

RANGE OF COLORS

Basic Colors

- 104-White
- 203-Original Yellow
- 209-Mid Yellow
- 302-Deep Red
- 305-Orange
- 3038-Light Resistant Pink
- 401-Violet
- 403-Original Blue
- 404-Ultramarine Blue
- 408-Cyanine Blue
- 501-Black
- 601-Green

Fluorescent Colors

- 131-Fluorescent Yellow
- 133-Fluorescent Red
- 140-Fluorescent Green
- 159-Fluorescent Pink

Metallic Colors

801 Silver

901 Pale Gold

ADDITIVES

Thinner:

Before production, the viscosity of the screen-printing ink has to be adjusted by the addition of thinner.

Thinner TP-69, very fast drying (addition 15%-25%)

Thinner TP-65, standard drying (addition 15%-25%)

Retarder:

Thinner TP-67, very slow drying (addition 15%-20%)

Retarder TP-67 can be used along with TP-65 or TP-69 to meet the printing requirement.

Custom Colors

Pantone/RAL/TPX colors are custom made colors and can be developed as per request.

TYPE OF PACKING

1-kg Can

SHELF LIFE

The shelf life for an unopened ink container if stored at a temperature of 15⁰-25⁰ C is

- 1) 2 years for the basic colors and Process colors.
- 2) 1 year for Metallics and fluorescent colors.

Under different conditions, particularly higher storage temperatures, the shelf life

is reduced. In such case, the warranty given by Spinks expires.

PRECAUTION

- 1) Ink is glossy. Matt ink can be developed on request.
- 2) Due to PVC material composition varies do sufficient test before bulk printing.
- 3) Do not use with other series of ink.
- 4) Apply non-conductive ink when high frequency is to be done on PVC leather material.
- 5) After thorough dry of ink film, pile up printed products without stress.
- 6) Please refer MSDS before use.
- 7) Be sure to do trials before commercial run to confirm that the product fits the purpose.
- 8) Additional technical information may be obtained from our Technical Department.
- 9) All characteristics described in this Technical Data Sheet refer exclusively to the standard products listed under range, provided that they are processed in accordance with the intended use and only when used with the recommended additives. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, they shall be limited to the value of the goods delivered by us and utilized by you with respect to any and all damages not caused intentionally or by gross negligence.