

Ink

## SPU Series

### FIELD OF APPLICATION

#### Substrates

The screen-printing ink SPU is excellently suited to print onto

PU leather

PVC leather

Genuine leather

#### Field of Use

SPU series is single component versatile ink to print on PU leather, PVC leather & Genuine leather.

This special ink is compared to other 2 component inks has very good adhesion to the substrate and is highly qualified for footwear standard.

SPU series can also be processed with spray gun, drawing brush on PU/PVC & Genuine 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 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 of TP-71 or TP-91 whichever is more suitable to surface 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-65M to make the ink drying slower.

SPU 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  
801-Silver  
901-Gold

### 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, fast drying (addition 15%-25%)

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

#### Retarder:

Thinner TP-65M, very slow drying (addition 15%-20%)

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

#### Hardener:

Prior to printing hardener must be added in correct quantity and always by weight and mixture must be stirred thoroughly.

Hardeners are sensitive to humidity and always to be stored in a sealed container. Hardener 9005 is the standard hardener.

The two different ratio are

- 1) (5% Hardener 9005)  
20 parts by weight of ink + 1 part by weight of hardener
- 2) (10% Hardener 9005)  
10 parts by weight of ink + 1 part by weight of hardener

The second variation must be applied if high resistance (e.g. dry & wet Test) is required.

### Custom Colors

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

### TYPE OF PACKING

5kg Can

### SHELF LIFE

The shelf life for an unopened ink container if stored at a temperature of 15<sup>0</sup>-25<sup>0</sup> 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) Please refer MSDS before use.
- 3) Be sure to do trials before commercial run to confirm that the product fits the purpose.
- 4) Additional technical information may be obtained from our Technical Department.
- 5) 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.