

Ink

Solvent Base

## WSL series

### FIELD OF APPLICATION

#### Substrates

The Water based screen printing ink WSL series is excellently suited to print onto  
Polyester Mesh  
PU leather  
PVC leather  
Genuine leather  
EVA (Split, Molded, Skin)  
Water-Proof Nylon  
Nylon  
Canvas

#### Field of Use

WSL series is designed to print on Polyester Mesh, Flip flop, Hawai Chappal, Molded EVA Sleeper, EVA Sandals, EVA Soles, EVA Shoes, EVA Yoga Mat, EVA Toys, Nylon & water-proof Bag-pack, Polyester Umbrella.

The ink can be used as 2 component ink. This special ink has compared to other 2 component inks, a very good adhesion to the substrate and is highly qualified for footwear standard.

### CHARACTERISTICS

This semi glossy, physically drying and chemical reactive screen printing ink exhibits good mechanical & chemical resistance as well as good flexibility and adhesion. Excellent printability and stable in color matching. Easy for operation, soft hand feeling, High fastness and nice elasticity, cold resistance, bending resistance (-20 C) in dry or wet both

bending over 150,000 times, acid & alkali resistance, UV resistance, hydrolysis resistance. In accordance with environmental protection standard, without any formaldehyde and free APEO. PH level of the ink is 7.5-8.5.

#### HOW TO USE

Apply EVA Primer 2303 to EVA substrate by wiping to improve the mechanical strength of the ink. For other material except EVA no need to use EVA primer as pre-treatment. Dilute the ink with 2%-3% of water. Add Hardener WS-001 to improve the mechanical strength of the ink on substrate. WSL series is designed to dry slowly in order to avoid clogging. For overprinting, the next color is printed only after the previous printed ink becomes tack free.

Mesh Recommended- 40T-100T

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 Water for cleaning the screen /washing up.

#### RANGE OF COLORS

##### Basic Colors

100 Transparent  
105 H.D. White

## Technical Data Sheet

## Screen Printing inks

2020  
24.Jan

201 Deep Yellow  
203 Original Yellow  
206 lemon yellow  
300 Rose Red  
3020 Dark Red  
3038 Light Resistant Magenta  
304 Bronze Red  
305 Orange  
401 Violet  
403 Original Blue  
404 Ultra Marine  
408 Emerald Blue  
501 Black  
601 Green  
701 Brown

### Fluorescent Colors

131 Fluorescent Yellow  
133 Fluorescent Red  
134 Fluorescent Orange  
140 Fluorescent Green  
148 Fluorescent Blue  
141 Fluorescent Violet

### Metallic Colors

801 Silver  
901 Pale Gold  
902 Rich Gold

### ADDITIVES

#### Thinner:

Before production, the viscosity of the screen printing has to be adjusted by the addition of water.

#### 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 WS-001 is the standard hardener.

The two ratios are

- 1) 5% Hardener WS-001  
20 parts by weight of ink + 1 part by weight of hardener
- 2) 10% Hardener WS-001  
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.

### Levelling agent

0.5% to 1% of 04B levelling agent is added in the ink to achieve good levelling while printing or by spray process.

### TYPE OF PACKING

5-kg Can

### SHELF LIFE

Shelf life depends on the reactivity of the ink while adding hardener as well as storage conditions (temperature).

The shelf life for an unopened ink container if stored in a dark room at a temperature of 15°C-25°C is 6 months for basic, 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) Hardener WS-001 is the standard hardener. At room temperature 20°C-25°C a pot life is 4-5 hours. If temperature is higher shelf life of the ink will reduce.
- 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.