

Ink

Solvent Base

EVA-S Series

FIELD OF APPLICATION

Substrates

The screen printing ink EVA-S is excellently suited to print onto EVA (Split, Molded, Skin) TPU

Field of Use

EVA-S series is designed to print on Flip flop, Hawai Chappal, Molded EVA Sleeper, EVA Sandals, EVA Shoes, EVA Yoga Mat, EVA Toys.

The ink can be used as 1 or 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.

EVA-S can also be processed with spray gun, drawing brush. In order to avoid surface irregularities, we recommend to filter the thinned ink (25 microns screen) before processing.

CHARACTERISTICS

This 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.

HOW TO USE

Apply EVA Primer 2303 to EVA substrate by wiping to improve the mechanical strength of the ink. Dilute the ink with 10%-20% TP-65 (slow dry thinner) or TP-69 (medium dry thinner). Use TP-67 to make the the drying

slower . You may add Hardener -H or 9004 Hardener to improve the mechanical strength of the ink on substrate.

EVA-S is designed to dry slowly in order to avoid clogging.

For overprinting, the next color is printed only after tack free..

Mesh Recommended- 40T-120T

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

- 110 Clear
- 104 Bright White
- 203 Original Yellow
- 206 lemon yellow
- 209 Mid Yellow
- 300 rose Red
- 302T High density Deep Red
- 3038 Light resistant Red
- 304 Vermilion
- 305 Orange Red
- 401 Violet
- 403 Original Blue
- 404 Ultra Marine
- 408 Cyanine Blue
- 501 Black
- 601 Green

Fluorescent Colors

131 Fluorescent Yellow
133 Fluorescent Red
134 Fluorescent Orange
140 Fluorescent Green
148 Fluorescent Blue
159 Fluorescent Pink
161 Fluorescent Violet

Metallic Colors

9024 Bright Silver
9001 Rich Gold
9002 Pale Gold

4 Color Process Printing inks

Process Black
Process Red
Process Yellow
Process Blue

ADDITIVES

Thinner:

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

Thinner, very fast (addition 15%-25%) TP-61

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

Retarder:

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

Retarder TP-67 can be used along with TP-65 or TP-61 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.

The two different ratios are

- 1) 5% Hardener 9004/Hardner - H 20 parts by weight of ink + 1 part by weight of hardener
- 2) 10% Hardener 9004/Hardner - H 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

1-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 dark room 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) Hardener 9004/H is the standard hardener. At room temperature 200-250 C a pot life is 4-5 hours. If temperature is higher shelf life of the ink will reduce.
- 2) Ink is glossy. Matt ink can be developed on request.
- 3) Please refer MSDS before use.
- 4) Be sure to do trials before commercial run to confirm that the product fits the purpose.
- 5) Additional technical information may be obtained from our Technical Department.
- 6) 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.