

Ink

PEVA-S

FIELD OF APPLICATION

Substrates

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

Field of Use

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

The ink can be used as 1 or 2 component ink. This special ink has compared to other 2 component inks has very good adhesion to the substrate and is highly qualified for footwear standard. PEVA-S can also be processed with spray gun, drawing brush on EVA material. 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. Low odour, good reprinting and post processing abilities.

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% TP65 (slow dry thinner) or TP-69 (medium dry thinner). Use TP-65M to make the drying slower. You may add 9004 Hardener to improve the mechanical strength of the ink on substrate.

PEVA-S 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-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

- 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
902 Rich Gold

4 Color Process Printing inks

Process Black
Process Red
Process Yellow
Process Blue

Color Matching

Use only PEVA-S series of basic colors while color matching. Don't mix other series during color matching.

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%)

Thinner/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. 9004 Hardener is the standard hardener.

The two different ratios are

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

The second variation must be applied if high resistance 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

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 15-25°C is

- 1) 2 years for the basic colors & process colors.
- 2) 1 year for Transparent, 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) 9004 Hardener is the standard hardener. At room temperature 20°C-25°C a pot life is 6-8 hours. If temperature is higher shelf life of the ink will reduce.
- 2) Ink is glossy. Matt ink can be developed on request.
- 3) Do not use it with other series of inks to avoid poor printing quality.
- 4) Printed EVA should not be in contact with soft PVC reason its plasticizer results in stickiness and loss of color.
- 5) Please refer MSDS before use.
- 6) Be sure to do trials before commercial run to confirm that the product fits the purpose
- 7) Additional technical information may be obtained from our Technical Department.
- 8) 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.