

Ink

HR series

FIELD OF APPLICATION

Substrates

The Water based screen printing ink HR 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

HR series is designed to get raised printing effect on Polyester Mesh, Flip

flop, Hawaii Chappal, Molded EVA

Sleeper, EVA Sandals, EVA Soles, EVA

Shoes, EVA Yoga Mat, EVA Toys, Nylon

& water-proof Bag-pack, Polyester

Umbrella.

The ink is used as 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.

CHARACTERISTICS

Screen printable Water based basecoat ink HR series is excellently suited to achieve raised printing effect/3 dimensional printing effect.

This semi glossy, physically drying and chemical reactive screen-printing ink exhibits good mechanical & chemical resistance as well as good flexibility and adhesion. Easy for operation, soft hand feeling, High fastness and good elasticity, cold, resistance, bending resistance over 100,000 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

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EVA primer as pre-treatment. Dilute the ink with 2%-3% of water. Add Hardener HR-001 to improve the mechanical strength of the ink on substrate.

HR series is designed to dry slowly in order to avoid clogging.

In order to achieve high deposition of ink /3 dimensional printing effect. Its advisable to use HR series basecoat as two component and print layer by layer and each layer should be touch dry before printing next layer till the desired printing thickness acheived

Mesh Recommended- 40T

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 Pretreat EVA material with UV Primer before spraying with HR color to achieve good adhesion of color.

Note: - Hardener must be added in HR color.

CLEANER

Use Water for cleaning the screen /washing up.

ADDITIVES

Thinner:

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

Hardener

Prior to printing hardener must be added in correct quantity and always by

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weight and mixture must be stirred thoroughly. Hardeners are sensitive to humidity and always stored in a sealed container.

Hardener HR-001 is the standard hardener.

- 1) 5% Hardener HR-001
20 parts by weight of ink + 1 part
by weight of hardener

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

20kg 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 15°C-25°C is one year for basic colour & six months for metallic 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 HR-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 all damages not caused intentionally or by gross negligence.