

Ink

SI-H Series

FIELD OF APPLICATION

Substrates

The dual-purpose pad printing and screen-printing ink SI-H is excellently suited to print onto Silicone Rubber

Field of Use

SI-H series is designed to print on products made up of Silicone material like Wrist bands, Remote keypads, material coating with Silicone, Hose pipe, Remote Key covers, Wristwatch straps, Grippers of Kitchen Appliances, Silicone molds for baking, Silicone Gloves, Catheters, Silicone medical products, Tubes, Mobile covers, Automotive components, Electronic components, Medical components, seals, credit cards wallets, swimming caps, Eye Gears, Silicone Bracelets, Medical tubing, Silicone Heal Soles, Silicone sleeves

The ink can be used as 1 component ink. This special ink compared to other 2 component inks, has a very good adhesion to the silicone substrate and is highly qualified for adhesion standard.

SI-H can also be processed with spray gun, drawing brush on Silicone material. In order to avoid surface irregularities, we recommend filtering the thinned ink (25 microns screen) before processing.

CHARACTERISTICS

This glossy, oven drying, and chemical reactive screen-printing ink exhibits alcohol resistance, good mechanical & chemical resistance as well as good flexibility and adhesion. Excellent print ability and stable in color matching. This ink has a good levelling property.

HOW TO USE

SI-H Silicone ink is one component ink. Dilute the ink with 10%–20% TP-70 (Standard Drying thinner). Use TP-60 to make the drying slower.

For pad printing use harder pad/tampons for best result.

For screen printing mesh recommended-80T-120T

| | | |
|----------------|---------------|-------------|
| Post Treatment | 30-45 minutes | 150°C-180°C |
|----------------|---------------|-------------|

If several layers are printed, each color needs post treatment before next printing is recommended

CLEANER

Use TP-70 for cleaning the Cliché or Plate & 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

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 must be adjusted by the addition of thinner.

Thinner TP-61 ,Standard drying
(addition 15%-25%)

Thinner TP-69 ,Slow drying (addition
15%-25%)

TYPE OF PACKING

1- kg Can

SHELF LIFE

Silicone ink is sensitive to humidity and always stored in a sealed container and at low temperature.

The shelf life for an unopened ink container if stored ink dark room at a temperature of 15°C-25°C is 6 months from the date of manufacturing. Under different conditions, particularly higher storage temperatures, the shelf life is reduced. In such case, the warranty given by Spinks expires.

PRECAUTION

- 1) At room temperature 20°C-25°C ink can be used for 8-10 hours. If temperature is higher shelf life of the ink will reduce.
- 2) High temperature and curing immediately after printing or spray may affect the smoothness and gloss of the surface. The pot life time of mixed ink is 8 hours, but sealed and cold storage can prolong the pot life.
- 3) Ink is glossy. Matt ink can be developed on request.
- 4) Prepared ink cannot be put back in the unused silicone ink container.
- 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 all damages not caused intentionally or by gross negligence.

Safety

The ink must be used in a well-ventilated condition and must adopt the necessary safety protection.