

Ink

Solvent Base

SR-1 Series

FIELD OF APPLICATION

Substrates

The dual purpose pad printing and screen printing ink SR-1 is excellently suited to print onto Silicone Rubber

Field of Use

SR-1 series is designed to print on products made up of Silicone material like Wrist bands, Remote key pads, material coating with Silicone, Hose pipe, Remote Key covers, Wrist watch 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, a very good adhesion to the silicone substrate and is highly qualified for adhesion standard.

SR-1 can also be processed with spray gun, drawing brush on Silicone material. In order to avoid surface irregularities, we recommend to filter 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 printability and stable in color matching. This ink has a good levelling properties.

HOW TO USE

SR-1 Silicone ink is one component ink. Dilute the ink with 10%-20% TP-69 (medium dry thinner). Use TP-67 to make the drying slower.

For Pad Printing use Harder Pad/Tampons for best result.

For Screen Printing Mesh Recommended- 80T-120T

Post Treatment	8-10 minutes	180°C-200°C
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If several layers are printed, each color needs post treatment before next printing is recommended

CLEANER

Use TP-65 for cleaning the Cliché or Plate & Screen /washing up.

RANGE OF COLORS

Basic Colors

105 H.D. White
203 Original Yellow
3020 Dark Red

Technical Data Sheet

305 Orange

403 Original Blue

501 Black

601 Green

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.

TYPE OF PACKING

1-kg Can

SHELF LIFE

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

The shelf life for an unopened ink container if stored in a dark room at a temperature of 15°C-25°C is one year.

Under different conditions, particularly higher storage temperatures, the shelf life is reduced. In such case, the warranty given by Spinks expires.

PRECAUTION Screen Printing inks

- 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) Ink is glossy. Matt ink can be developed on request.
- 3) Prepared ink can not be put back in the container.
- 4) Please refer MSDS before use.
- 5) Be sure to do trials before commercial run to confirm that the product fits the purpose
- 6) Additional technical information may be obtained from our Technical Department.
- 7) 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.