

### Ink

## PPB-S Series

### FIELD OF APPLICATION

#### Substrates

PPB-S is suited to print on-to

- Pre-treated or untreated polypropylene(pp)

#### Field of Use

PPB-S is particularly used in Pad printing, Rotary pad printing and Screen printing on-to Disposable syringes, Vials, Home Appliances, Toys, Pens, Flexible book covers, hangers, cosmetic containers, caps, and other injection molded component made up of polypropylene (pp).

### CHARACTERISTICS

This glossy, physically drying, and chemical reactive screen-printing ink exhibits good adhesion. Excellent printability and stable in color matching.

PPB-S can be used in spray application. In order to get smooth spray coat it's advisable to filter the diluted ink (25 microns screen) before application.

#### Drying

Drying property of PPB-S can be adjusted by selecting the suitable thinner to the respective application.

Drying time may vary according to the substrate, depth of plate/cliché, deposition of ink film thickness on the printed surface, drying conditions and thinner selected.

Although it is physically cured ink, its final mechanical resistance is achieved only after few days.

#### Stress Resistance

Printed substrate can be stacked after thorough drying the ink.'

### HOW TO USE

Dilute the ink with 10%-20% of TP-65 (slow dry thinner) or TP-69 (Medium dry thinner). Drying time of ink can be reduced further by using thinner TP-65M to avoid clogging on the screen and to achieve good reprint capabilities.

Mesh Recommended – 77T-120T.

If several layers is printed by screen application then longer drying time is recommended.

In Pad printing cliché/plate made of ceramic, photopolymer, thin steel plates, Aloxide & chemical hardened steel can be used.

Adhesion of Shades made of Metallic Powder can be increased only by over varnishing.

Metallics shades should be consumed within 8 hours after making.

### CLEANER

Use TP-69 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

### Fluorescent Colors

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

### Metallic Colors

801 - Silver  
901 - Gold

## ADDITIVES

### Thinner:

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

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

Thinner, standard (addition 15%-25%)  
TP-69 instead of TP-65

TP-65 Thinner,Slow dry (addition 15%-25%)

### Retarder:

Thinner, slow (addition 15%-20%)  
TP-65M.

Retarder TP-65M can be used along with TP-65 or TP-61 to meet the printing requirement.

### Custom Colors

Pantone/RAL/TPX colors are custom made colors and can be developed as per request.

## TYPE OF PACKING

5kg Can

## SHELF LIFE

The shelf life for an unopened ink container if stored in dark room at a temperature of

15<sup>0</sup>-25<sup>0</sup> C is

- 1) Two years for the basic colors and Process colors
- 2) Gold and Silver ink must be prepared according to need. Long time storage may cause products oxidization and color distortion as well as gelling of ink. If prepared with other colors, color separation may also occur after long storage period.

Under different conditions, particularly higher storage temperatures, the shelf life

is reduced. In such case, the warranty given by Spinks expires.

### **PRECAUTION**

- 1) Ink is glossy. Matt ink can be developed on request.
- 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 any and all damages not caused intentionally or by gross negligence.