

Ink

PET Series

FIELD OF APPLICATION

Substrates

The screen-printing ink PET is excellently suited to print onto

PC
PET
PVC

Field of Use

PET series is designed to print on PET, PVC, PC material to make labels, thin Membranes.

The ink is used as 1 component ink.

CHARACTERISTICS

This soft matt gloss with excellent sieving and leveling properties, physically drying 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

Dilute the ink with 10%-20% TP-65 (slow dry thinner) or TP-69 (medium dry thinner). Use TP-65M to make the drying slower. PET series is designed to dry slowly in order to avoid clogging and have good reprint capabilities.

For overprinting, the next color is printed only after tacking free.

Mesh Recommended- 77T-120T

Tack Free Time	5-10 minutes	Natural Cure
Hard Drying Time	12-24 hours	Natural Cure
Force Drying Time	20-30 minutes	70°C-90°C

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

Transparent Colors

Yellow
Red
Blue
Green

Fluorescent Colors

131-Fluorescent Yellow
133-Fluorescent Red
140-Fluorescent Green
159-Fluorescent Pink

Metallic Colors

801 Silver
901 Pale Gold

4 Color Process Printing inks

Process Black
Process Red
Process Yellow
Process Blue

ADDITIVES

Thinner:

Before production, the viscosity of the 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%)

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 15⁰-25⁰ C is

- 1) 2 years for the basic 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) Before use, check if the ink is properly selected, open the packing to check if the ink is under good condition, including no gelling, no color change etc. and stir well before use
- 2) Please perform a printing test before formal printing, After 24 hours of natural volatilization or drying at high temperature, check its adhesion and properties meet the requirement or not.
- 3) No other additive is added during use.
- 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.