



59 Series Silk Screen Ink (High Gloss PP, PS Ink)

【Printing substrate】

- ❖ Un treated soft and hard PP and some soft PP
- ❖ For PP substrate containing dye, when suitable can use PP treatment solution (GP-1008) to wipe the surface
- ❖ KT board and YUPO paper
- ❖ All kinds of domestic electrical appliance cover (ABS, PS)

【Physical properties】

- ❖ High gloss, vivid colour, silk screen, good transfer performance
- ❖ 4 colour ink 59-900 series, clear printing dot, good light fastness, suitable for advert that requires 4 colours printing on synthetic paper, KT board and PP
- ❖ 59-XXX/P model comply with Pahr type 2 environmental regulation
- ❖ Surface dry: 25 °C x 20-30 min or 60 °C x 5-8 min
Complete dry: 25 °C x 24h or 60 °C x 25-30 min Best film hardness achieved after 24 hr

【Diluent】

KTS-5000 (Drying speed medium), KTS-8000 (Drying speed medium), KTS-783 (Slow drying speed), recommended addition amount 10-15%

【Cleaning】

Can use KTS-3000 for screen cleaning

【Technical parameter】

Test subject	Test method	Result
Acid resistance	Soak in 5% HCl sol. for 24 hr, ambient temp.	No visible change
Vegetable oil resistance	Soak in vegetable oil for 24 hr, ambient temp.	No visible change
Alcohol resistance	Rub surface with anhydrous alcohol, 1 KG for 10 times	No visible change



【Precaution】

Since 59 series varnish 59-195 is slightly acidic, after long time transfer printing it could slightly corrode the steel cover. 59-M809(silver), 59-GM903 (gold), 59-GM905(red gold) has shorter expiry date, it should not be stored for more than 6 months, it is recommended to use it within 3 months.

【Colour code】

Code	Hue	Eco-friendly grade	Code	Hue	Eco-friendly grade
59-P100NT	pale yellow	A	59-G100	green	A
59-Y100NT	gold yellow	A	59-K100	black	A
59-S100NT	cobalt red	A	59-W100	white	A
59-R100	red	A	59-195	varnish	A
59-R133	vivid red	A	59-M809	silver	D
59-R100	rose red	A	59-M900/T	base red	A
59-PM100	magenta	A	59-B900	base blue	A
59-V100	purple	A	59-Y900	base yellow	A
59-UA100	cyan	D	59-K900	base black	A
59-B100	blue	A	59-E900	base varnish	A

SD-1001: Smooth out agent, improve transfer performance. Package 1KG/SJ 1 KG can

NY-1091: curing agent, addition amount 3-5%, improve adhesion and resistance performance. Package: 0.1 KG/SW 100g plastic bottles

GP-1008: PP treatment solution, improve adhesion. Package: 1KG/SS 1KG can

【Environmental regulation】

- ❖ According to SGS and CTI testing, above colour apart from 59-UA100 cyan, 59-M809 silver comply with ROHS, EN71-3, ASTM-F963, HR4040 regulations, also comply with “Bauhinia Variegata eco- friendly category A”. It is recommended to test whether the ink comply with customer’s environmental requirement before use
- ❖ In order to comply with Pahs type 2, when using 59-XXX/P please use PA-T102 (fast drying), PA-T104(slow drying) solvent. If unsure please contact us



【Storage】

Ink should be stored in cool places; ink can be stored under ambient temp. for 24 months, gold and silver ink can be stored for 6 months, please check quality of ink before use. When use under standard EHS rules this product should not be harmful to human body, like other typical chemicals when using this product please avoid touching skin and eyes, if touched please wash it with water and seek medical attention. See MSDS for more.

【Disclaimer】

This specification is in accordance with the actual production and test results, whether the product could meet your process requirements depends on application conditions and printed material. We recommend the users to assess if the product can meet all their requirements before production. Since we cannot predict or control your printing condition, the product performance cannot be guaranteed all sales are subjected to the standard terms and conditions of the sales control division.