



10/12 Series Screen Printing Ink (Matte / Glossy PVC Ink)

【Printing materials】

- ❖ Suitable for printing various types of hard and soft polyvinyl chloride, including the latest materials, etc..
- ❖ Applied to printing in PC sheet and PVC sheet made thin film switch, flag sticker, shampoo labels, soft containers and wall panels.

【Physical characteristics】

- ❖ The 10 series are Matte PVC inks, and the 12 series are glossy PVC inks
- ❖ Fine ink, dry speed is slower for fine printing plate
- ❖ The pigment has vivid colour, high opacity and better light-fastness than PM / PG series.
- ❖ Surface dry: natural evaporation at room temperature (25 °C) , 20-30 min
Complete dry: natural evaporation at room temperature (25°C) , 2-4h

【Mesh count】

For Fine Printing, it is recommended to use 300 Mesh count screen, printing large area and need high hiding power, you can choose 200 Mesh count screen.

【Hue Number】

- ❖ 10-K110(enhanced black): strong hiding power, suitable for printing on high and large area.
- ❖ 10B-W100(white): high solid content, strong hiding power, suitable for on high and large area printing.
- ❖ 10-W200(extra white): Good Whiteness, smooth ink body and wide printability, suitable for font and fine graphic printing, printing with Pearl powder or silver on the oil adhesion is good.



10 series basic colors: Matte, strong hiding power, often used in the back printing

Serial Number	Hue	Environmental Grade	Serial Number	Hue	Environmental Grade
10-P100N	Pale yellow	A	10-UV100	Ultramarine	A
10-Y100NT	Golden Yellow	A	10-B100	Blue	A
10-S100NT	Orange Red	A	10-G100	Green	A
10-R100	Big Red	A	10-K100	Black	A
10-R133	Bright Red	A	10B-W100	White	A
10-M100	Roes	A	10-W200	Extra White	A
10-PM100	Magenta	A	10-185	High ink body Varnish	A
10-V100	Purple	A	10-186	Matte Varnish	A

Dye transparent color, often used in transparent windows and gold and silver card printing paper

Serial Number	Hue	Environmental Grade	Serial Number	Hue	Environmental Grade
10-T710	Clear yellow	A	10-T755	Clear Pink	E
10-T720	Clear orange	A	10-T760	Clear blue	A
10-T730	Clear red	A	10-T770	Clear Green	A
10-T740	Clear Crimson	A	10-T780	Clear ash	A

12 series basic color: bright, often used for front printing

Serial Number	Hue	Environmental Grade	Serial Number	Hue	Environmental Grade
12-P100NT	Pale yellow	A	12- V100	Purple	A
12-Y100NT	Golden Yellow	A	12- UA100	Ultramarine	A
12- S100NT	Orange Red	A	12- B100	Blue	A
12- P100NT/LF	High temperature Pale yellow	A	12- G100	Green	A
12- Y100NT/LF	High temperature Golden Yellow	A	12- K100	Black	A
12- S100NT/LF	High temperature Golden Yellow	A	12- W100	White	A
12- R100	Big Red	A	12- 195	Varnish	D
12- R133	Bright Red	A	12- M808	Silver Ink	D
12- M100	Roes	A	12- M809	Silver Ink	D
12- PM100	Peach	A	12- GM903	Green Gold	D
			12- GM905	Red Gold	D



【Diluent】

KTS-5000(medium dry), KTS-783(slow dry), the proportion of the general recommendation for 10-15%

【Purging】

KTS-3000 washing water can be used to clean the screen

【Printing advice】

- ❖ Due to the rapid development of plastic and additive technology, it is necessary to test print and evaluate the adhesion before using
- ❖ Residual plasticizer on the plastic surface if the impact of ink adhesion, you can use white spirit for pre-print cleaning
- ❖ Multi-color overprint or overprint , you need to wait for the ink surface dry before the next color print
- ❖ Beware of blocking issue when printing on soft PVC substrate
- ❖ After the products are printed, the ink layer must be completely dry before stacking, and can not be heavy pressure, so as to avoid blocking issue

【High temperature baking】

P100NT, Y100NT and S100NT may change color or color migration when they are baked at a high temperature above 100°C. If the printing is dried in the oven after printing, if the temperature exceeds 100°C, it is recommended to replace P100NT, Y100NT and S100NT with P100NT/LF, Y100NT/LF and S100NT/LF respectively.

【Print volume】

After proper dilution, the printing capacity can reach 25-35m² /kg with suitable screen.

【Environmental information】

According to SGS and CTI testing for many years, the basic colors of this series (except 10-UA100 cyan, 12-UA100 cyan, 12-M808 silver, 12-M809 silver, 12-GM903 Green gold and 12-GM905 red gold) meet the environmental



requirements of ROHS, EN71-3, ASTM-F963, HR4040 and other environmental protection requirements, meeting the "Bauhinia environmental protection A level", However, in order to ensure that the products are not contaminated during transportation, customers are advised to carry out corresponding environmental protection testing and performance testing before use, and then batch use them after confirmation.

【Precautions for storage and use】

The ink should be placed in a cool place. The ink can be stored for 24 months at room temperature at 25 °C. The gold and silver ink can be stored for 6 months. If the ink is more than 6 months, it is necessary to try printing and reconfirm the brush quality. According to the standard health regulations and safety regulations, the use of this product should not be harmful to human body. However, like other general chemicals, the skin and eyes should also be avoided when using this product. If it is splashed, it should be washed with plenty of water and treated. See MSDS for details.

【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.