



825 Series Halogen Free Screen Printing Ink (ABS & PS)

【Substrate】

Polystyrene (PS) and acrylonitrile (ABS) plastic sheets and containers.

【Product feature】

- ❖ High gloss. Despite ink being slightly corrosive, it does not corrode and crack plastic surface even for SAM substrate
- ❖ Bright colors, high opacity, the lightfastness of the pigment is much better than that of the PS series.
- ❖ Equipped with a model that meets PAHS Type II environmental protection requirements.
- ❖ Can withstand molding and deep stamping, prints can be displayed for a long time.
- ❖ The resin used has the characteristics of toughness, resilience and wear resistance. For general cosmetics apart from those containing alcohol or oil, this product is resistant
- ❖ For poorly printed prints, the ink can be cleaned with KTS-2000 thinner, and the surface of the prints has no obvious damage.
- ❖ Surface drying: Natural evaporation at room temperature (25°C) for 10-20min
Completely drying: Natural evaporation at room temperature (25°C) for 1-2h

【Basic color】

NO.	COLOR	EP LEVEL	NO.	COLOR	EP LEVEL
825-P100NT	Light Yellow	A	825-V100	Purple	A
825-Y100NT	Golden	A	825-UA100	Cyan	D
825-S100NT	Orange-red	A	825-B100	Blue	A1
825-R100	Bright red	A1	825-G100	Green	A
825-R133	Scarlet	A1	825-K100	Black	A1
825-M100	Rose red	A1	825-W100	White	A1
825-PM100	Pink	A1	825-195	Vanish	A1
			825-M809	Silver	D



【Diluent】

KTS-2000(quick drying)、KTS-2490 (medium drying) 、KTS-2200(slow drying) are recommended to be 10-15%.

【Silk screen mesh count】

300 mesh count screen is recommended for fine printing, when printing large areas and requiring stronger coverage, 200 mesh-screen can be selected.

【Cleaning】

Please use KTS-3000 cleaning solvent to clean the screen.

【Print volume】

With proper dilution and suitable screen, the printing volume can reach 25-35m²/kg.

【Strong coverage】

When printing transparent materials, customers can consider using the following numbers if they want strong covering color:

NO.	COLOR	EP LEVEL	NO.	COLOR	EP LEVEL
825-W110	Enhanced White	A1	825-V110	Enhanced Purple	A
825-K110	Enhanced Black	A1	825-B110	Enhanced Blue	A1
825-R110	Enhanced Red	A1	825-G110	Enhanced Green	A
825-M110	Enhanced Rose Red	A1	825-PM110	Enhanced Pink	A1

【Color matching service】

Customers can provide printing samples or drawdown sample, we can provide exclusive color matching service.

【Environmental information】

- ❖ After SGS and CTI testing, it is proved that the formula of this series of basic colors (except 825-UA100 Cyan, 825-M809 Silver) meets the heavy metal content requirements of ROHS, EN71-3, ASTM-F963, HR4040, etc., and meets



the "Bauhinia environmental protection level A or A1" (P100NT Light Yellow, Y100NT Golden, S100NT Orange Red, G100 Green, G110 Enhanced Green, V100 Purple, V110 Enhanced Purple belong to A grade)

- ❖ In order to meet the requirements of halogen-free, our company has made appropriate improvements to 825 series, and developed 825 series meeting the requirements of halogen-free. The serial numbers are as follows:

NO.	COLOR	EP LEVEL	NO.	COLOR	EP LEVEL
825-P100NT/LF	Light Yellow	A1	825-UV100	Cyan	D
825-Y100NT/LF	Golden	A1	825-B100	Blue	A1
825-S100NT/LF	Orange-red	A1	825-B25W75	Sky Blue	A1
825-R100	Bright red	A1	825-G100/HF	Green	A
825-R133	Scarlet	A1	825-K100	Black	A1
825-M100	Rose red	A1	825-W100	White	A1
825-PM100	Pink	A1	825-M809	Silver	D
825-V100/HF	Purple	A1	825-195	Vanish	A1

Notes:

1. The 825-P100NT, Y100NT, and S100NT tests have proved to contain halogen, and replaced by 825-P100NT/LF, Y100NT/LF, S100NT/LF. The 825-V100 and 825-G100 test have proved to be halogen-containing, replaced by 825-V100/HF, and 825-G100/HF, but due to the expensive materials of 825-V100/HF, it is not currently available.
2. In order to ensure that the printed product meets the halogen standard, please use a thinner that confirms that it meets the halogen standard. Our matching thinners are: KTS-2000 (quick dry), KTS-2490 (medium dry), KTS-5000 (medium dry, it may dissolve the substrate), KTS-2200 (slow drying), the adding ratio is generally 10-15%.

- ❖ In order to meet the requirements of PAHS, our company has made appropriate improvements to the 825 series and developed the 825 series that can meet the PAHS Class II environmental protection requirements. The serial numbers are as follows:



NO.	COLOR	EP LEVEL	NO.	COLOR	EP LEVEL
825-P100NT/LF	Light Yellow	A1	825-V100	Purple	A
825-Y100NT/LF	Golden	A1	825-UV100	Ultramarine	D
825-S100NT/LF	Orange-red	A1	825-B100	Blue	A1
825-R100	Bright red	A1	825-G100/HF	Green	A
825-R133	Scarlet	A1	825-K100	Black	A1
825-M100	Rose red	A1	825-W100	White	A1
825-PM100	Pink	A1	825-195	Vanish	A1

【Attention】

1. To comply with the PAHS Type II environmental protection requirements, the green ink is 825-G100/HF, and the yellows are: light yellow is 825-P100NT/LF, golden is 825-Y100NT/LF, and orange red is 825-S100NT/LF.
2. Use inks that are confirmed to meet the PAHS Class II limit requirements and matched with PAHS-compliant solvents, and the printed products may meet the PAHS requirements. Therefore, please confirm with the technical department or the seller before use to avoid losses due to misunderstanding. Our matching dilution solvent: KTS-2000 (quick drying), KTS-2490 (medium drying) or PA-T102 (quick drying, it may dissolve the substrate), PA-T104 (slow drying, it may dissolve the substrate), the proportion of adding is generally recommended to be 10-15%.

【Note】

For the product numbers that meet the requirements of SGS, CTI-ROHS, halogen, etc., it may not meet the above environmental protection requirements. Please contact us before use to understand, so as to avoid unnecessary loss. As the ink may be contaminated in the process of transportation and use, if the customer has the above environmental protection requirements, it is recommended that the customer confirm that the ink is not contaminated before use, and carry out the corresponding environmental protection test and performance test before using it in batch, so as to avoid unnecessary trouble.



【Storage and Note】

The ink should be placed in cool place. The ink can be stored for 24months at room temperature at 25°C. gold and silver ink can be stored for 6 months. If the ink is more than 6months, the printing quality should be reconfirmed by trial printing. This product should not e harmful to human body if it is used according to the standard health regulation and safety regulation. However, like other general chemicals, you should try to avoid skin and eyes contamination when using this product. If it is splashed, rinse with plenty of water and treated. See MSDS for details.

【Disclaimer】

The data shown in this document is based on actual production and test result generated within our company. Above data is only for reference and does not bear any legal guarantee responsibilities. Whether actual ink performance can meet user's requirement depends on application conditions and substrate etc. We suggest that users should access whether current production conditions meet the application requirement of each product before printing. Since we cannot control the actual application and storage conditions, we cannot guarantee the final product performance. All product sales subject to our standard sales terms and conditions.