



120D Series ABS Bright Ink

(Alcohol resistant, for screen printing and pad printing)

【Substrate】

- ❖ ABS, PS, PETG, Acrylic, rigid PVC, flexible PVC, sheet
- ❖ Plexiglass light box, advertisements, plastic, signs, nameplates, etc.

【Product feature】

- ❖ High gloss, delicate and smooth ink, suitable for fine printing.
- ❖ Suitable for silk screen printing, pad printing, excellent printing performance and strong coverage.
- ❖ Stable performance, excellent alcohol resistance.
- ❖ Equipped with a model that meets PAHS Type II environmental protection requirements.
- ❖ Surface drying: Natural evaporation at room temperature (25°C) for 20-30min
Completely drying: Natural evaporation at room temperature (25°C) for 4-8h

【Basic color】

NO.	COLOR	EP LEVEL	NO.	COLOR	EP LEVEL
120D-102	White (blue shade)	A	120D-305	Orange-red	A
120D-102/1	White (primary)	A	120D-308	Pink	A
120D-110	Varnish	A	120D-401	Purple	A
120D-203	Primary Yellow	A	120D-403	Primary blue	A
120D-206	Lemon Yellow	A	120D-404	Cyan	D
120D-209	Medium Yellow	A	120D-408	Turquoise	A
120D-300	Rose red	A	120D-501	Black	A
120D-302	Bright red	A	120D-601	Green	A
120D-304	Vermilion	A			



【Special color】

NO.	COLOR	EP LEVEL	NO.	COLOR	EP LEVEL
120D-131	Fluorescent Yellow	A	120D-809	Silver	D
120D-133	Fluorescent Red	A	120D-903	Cyan Gold	D
120D-134	Fluorescent Orange	A	120D-905	Red Golden	D
120D-140	Fluorescent Green	A			
120D-148	Fluorescent Blue	A			
120D-159	Fluorescent Pink	A			
120D-161	Fluorescent Purple	A			

【Silk screen mesh count】

250-300 mesh-screen is recommended for fine printing, when printing large areas and requiring stronger coverage, 200 mesh-screen can be selected.

【Diluent】

KTS-718(quick drying), KTS-719 (medium drying) , KTS-783(slow drying) are recommended to be 10-15%. If the solvent resistance of the printing materials is weak, it is recommended to try them first and confirm that the burning degree is acceptable before batch use. It is also possible to consider using PS series with gentle solvent and KTS-2000(quick drying) as diluent to reduce the degree of surface burning.

【Printing suggestions】

- ❖ Due to the rapid development of plastics and additives technology, test printing and evaluation of its adhesion before use.
- ❖ If the plasticizer remaining on the plastic surface affects the adhesion of the ink, you can use white spirit for pre-press cleaning.
- ❖ In multi-color overprinting or overprinting, the next color printing should be performed after the ink layer has dried.



【Environmental information】

- ❖ According to years of testing by SGS and CTI, the above product models (expect 120D-04 Cyan, 120D-809 Silver, 120d903 Cyan Gold and 120d-905 Red Golden) are in compliance with ROHS, EN71-3, ASTM-F963, HR4040 and other environmental protection requirements, and in line with “Bauhinia Environmental Protection Level A”, but in order to ensure that the product is not affected during transportation and use pollution, it is recommended that customers conduct corresponding environmental protection inspections and performance tests before use, and only use them in batches after confirming that they are correct.
- ❖ The basic colors of this series can meet the PAHS Type II environmental protection requirements, but the ink model that meets the PAHS Type II limits must be confirmed before use, and the solvent that meets the PAHS can be matched, and the printed product 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 diluents are PA-T102 (fast drying) and PA-T104 (slow drying), and the recommended ratio is generally 10-15%.

【Cleaning】

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

【Print volume】

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

【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 6 months, the printing quality should be reconfirmed by trial printing. This product should not be 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.