



## UVT matt film varnish (can be bronzing)

### 【Substrate】

Suitable for printing and glazing all kinds of paper covered with BOPP matt film, as well as hard PVC, ABS, PP and other plastic products; and the process of bronzing after glazing.

### 【Product】

Daily necessities and cultural items, such as wine bags, cosmetics, books and magazines, pictorials, etc.

### 【Printing features】

It has good adhesion and excellent bronzing performance on most dumb film paper, some glossy film paper and plastic products.

Performance Product	Gloss	Yellowing resistance	Water resistance	Acid resistance	Alkali resistance	Flexibility	Adhesion
UVT-101 Matte Film Varnish	87- 92	Excellent	Level 5	Level 4	Level 3	Excellent die- cutting	Excellent

### 【Ink technical parameters】

Performance Product	Hue	Viscosity/2 5°C	Curing speed	Energy required for curing	Solid content
UVT-101 Matte Film Varnish	Milky white liquid	3 minutes	15-25m/min	120mj/cm <sup>2</sup>	≥98%

### 【User's guidance】

- ❖ Screen: 300-350 mesh polyester mesh, tension: 13-15N/cm
- ❖ Squeegee: 65-80 degree polyurethane squeegee
- ❖ Reference dosage: 35-40 m<sup>2</sup>/kg when printing 350 mesh
- ❖ UV machine power: Recommended to use 2 medium and high pressure mercury lamps above 5KW to ensure sufficient output energy.
- ❖ Additives: Choose UVT-002 dilution to reduce the viscosity of varnish.



- ❖ Cleaning the screen: Cleaned with general solvent-based screen washing water and printed after it is completely volatilized.

### **【Precautions】**

- ❖ Due to the strong flexibility of UVT-101 matt film varnish (which can be bronzing), re-sticking, fogging or poor leveling may occur at high temperatures. Especially pay attention to double copper paper. Please mix the varnish evenly before printing, and ensure that the UV machine has good ventilation. Pay attention to cooling down during the delivery process and avoid excessive stacking or heavy pressure to cause adhesion. If possible, it is recommended that the fans cool down and place them separately.
- ❖ Some materials of this product may have a certain irritation to some operators with sensitive skin, please pay attention to your own protection; if the skin comes in contact, please wash it with soap or water in time; if you accidentally contact the eyes, please immediately rinse with plenty of water, and seek medical attention in time. Please change it in time when ink sticks to the clothes.
- ❖ Although this varnish has excellent adhesion, the degree of treatment and cleanliness of the substrate surface are the main factors affecting adhesion. The varnish has good adhesion on substrates with a surface tension greater than or equal to 38 dyne (Substrates below this data are not suitable for UV screen printing).

### **【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.