



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

### 【Ink technical parameters】

| Performance<br>Product        | Hue                      | Viscosity/2<br>5°C | Curing speed | Energy required<br>for curing | Solid<br>content |
|-------------------------------|--------------------------|--------------------|--------------|-------------------------------|------------------|
| UVT-101 Matte<br>Film Varnish | Milky<br>white<br>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 information in this article is based on actual production and test results, but whether the performance of the product meets the requirements of your factory depends on the specific application conditions and the materials to be printed. We suggest that users need to know whether each product meets all their requirements before starting to print. Since we cannot predict or control the conditions for your products to be used, product performance cannot be guaranteed. All sales are subject to our company's Standard sales terms and conditions control.