

**T200
M series**



(Low Halogen)
Eco-friendly design

No added
"cyclohexanone,"
"aromatic hydrocarbon
solvent," nor "phthalate"

Color range:

This series contains 12 reference colors, which can be mixed with each other to produce a wide range of colors. The standard commonly used in the market is Pantone.

Ink characteristics:

It is a high gloss, physically dry and chemically active transfer/screen printing ink with good mechanical and chemical resistance and good flexibility. T200 series inks can be used for packaging materials or commodities that do not touch the surface of food under proper and professional printing.

The materials used comply with the regulations and restrictions of EEC Regulation EN71 (Toy Safety), Article 3 (Migration of Specific Elements) passed in December 1994.

	White T200-1000		Silver T200-4000		Violet T200-5000
	Opaque White T200-1001		Light Yellow T200-2000		Blue T200-5001
	Black T200-9000		Yellow T200-2001		Green T200-6000
	Opaque Black T200-9002		Orange T200-3000		
	Clear Base T200-0001		Red T200-3001		
	Gold T200-4001		Pink T200-3002		

Application Field

ABS, acrylic glass (acrylic glass, plexiglass), PVC, pre-treated polyethylene (PE), Hard polypropylene (PP), Bright lacquered surface, SAN, polyamide (PA), PET, metal polycarbonate (PC), polystyrene (PS), paper and carton.

Since the above materials may be different in chemical structure or production method, it is necessary to test whether the ink is suitable before printing. Antistatic agents, release agents, and sliding additives may have a negative effect on adhesion, so they must be detected and removed before printing.

Shelf Life

Store at 21 degrees Celsius in the original packaging, unopened, it can be stored for 2 to 3 years and used as soon as possible within 12 months after opening.

Fine Cause ink color matching service:

Please provide Pantone color number or printed materials.

Additive:

- 1 Thinner – Before operation, adjust the applied ink to an appropriate viscosity
- 2 Retarder - The retarder's volatilization rate is slow, and the retarder is added to control the ink curing time. Note that adding too much will affect the adhesion of the ink.
- 3 **It is recommended to use 100VR-1170 ultra-drying when screen printing, in order to achieve a good printing effect.** Hardener-The hardener is added to the ink to increase the adhesion of the ink. **The 100VR-1433 is the standard hardener. The addition ratio is about 10%. During the printing process, the room temperature should not be lower than 15 degrees Celsius.** Avoid printing products in high humidity areas after printing. Multi-color printing needs to be completed within 36 hours.

Operation suggestions:

- 1 The T200 is suitable for all printing machines, steel plates and plastic heads on the market. The etching depth of the steel plate, the hardness of the glue head, the ink deployment, and the printing speed may all affect the printing effect. The PP and PE materials need to be pretreated first by flame treatment or corona discharge, mainly to ensure the adhesion of the ink. **It is recommended to pre-treat PE printing with a surface tension of at least 42 mN/m (Dynes/cm) It is recommended to pre-treat PP printing with a surface tension of at least 52 mN/m (Dynes/cm)**

Curing conditions:

At room temperature (21 °C), T 200 series ink can be dried in 30-35 seconds. If hardener is added, the ink will fully cure at room temperature in about 36 hours. To speed up the drying of the ink, it is recommended to use a hot air fan or infrared light.



▲ Metallic paint

End Products



▲ Metal



▲ Corn starch mug

▲ ABS



▲ Wood

Precautions:

For further safety, preservation, and environmental issues, please refer to the Material Safety Data Sheet (MSDS) website: <https://www.finecause.com/knowledges/knowledge3>

※Above color for reference only