Screen / Pad Printing Ink – Versatile 2-component ink T200 M series

T200 **M** series

RUCO BLACK M 12 T200-9000 PAD PRINTING INK

Kessing instructions see Technical Data She

(Low Halogen) Eco-friendly design

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

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.

S helf 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.

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.

Fine Cause ink color matching service:

Please provide Pantone color number or printed materials.

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.



XAbove color for reference only

Additive:

- 1 Thinner Before operation, adjust the applied ink to an appropriate viscosity
- 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. by flame treatment or corona discharge, mainly to ensure the adhesion of the ink. It is

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.



Precautions:

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



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2 Retarder - The retarder's volatilization rate is slow, and the retarder is added to control the ink curing

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 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)



Website: https://www.finecause.com/product/7cf

Pad Printing Ink - Versatile 1- or 2-component

T25 B系列

T25 B series



(Low Halogen) Eco-friendly design

Ink Characteristics:

The high-gloss, physically dry pad printing ink has good mechanical and chemical resistance. The color of T25 ink is not easy to fade, resistance and occlusion. It can also achieve good oil resistance under certain conditions.

Application Field

Untreated or pre-treated Polyethylene

materials may be different in chemical structure or

ink is suitable before printing. Antistatic agents,

release agents, and sliding additives may have a

negative effect on adhesion, so they must be

Stored in the original packaging at 21

degrees Celsius, unopened can be stored for

2 to 3 years, used as soon as possible within

detected and removed before printing.

12 months after opening.

Shelf Life

(PE) and polypropylene (PP). Since the above

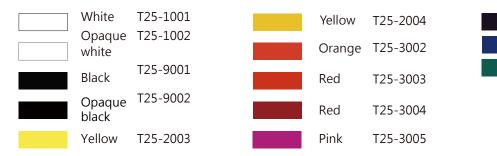
production method, it is necessary to test whether the

It is recommended to do product testing before production.

In some cases, it is recommended to wipe the PP treatment agent 100VR1425 on the material to remove dust and other impurities increase the adhesion of the ink.

Color Range:

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



Fine Cause Color Matching Service :

Please provide Pantone color number or printed materials.

Violet T25-5007 Blue T25-5008 Green T25-6000

T25-0001

Clear

Base





▲ PP bucket

▲ PP cup

Additives:

- 1. Thinner Added before production, the ink can be adjusted to the appropriate printing viscosity.
- 2 Retarder The retarder's volatilization rate is slow, and the retarder is added to control the ink drying time. Note that adding too much will affect the adhesion of the ink.
- 3. Hardener The hardener is added to the ink to increase the adhesion of the ink.

100VR-1433 is a standard hardener, the addition ratio is about 10-20%.

Operation Suggestions:

The T25 series ink is suitable for all pad printing equipment. It should be noted that the depth of etching of the steel plate, the hardness of the glue head, the deployment of ink, and the speed of printing may all affect the printing effect.

Curing Conditions:

At room temperature (21 °C), T25 series ink can be completely dried in 2-3 minutes. If hardener is added, the ink will fully cure at room temperature in about 36 hours.

If you need to speed up the drying time of the ink, it is recommended to use a hot air fan or infrared light to speed up the drying speed of the ink, but please remember to allow the adhesion test after the product has cooled down.

End Products









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▲ PP eveliner





▲ PP bottle

▲ PE bottle

RUCO-T25 B https://www.finecause.com/products/category7

110GK-B series 2-component

Screen Printing ink



Ink Characteristics:

It is a high-gloss, physically dry and chemically active two-liquid screen printing ink with good mechanochemical resistance and flexibility. The color of 110GK is good in light resistance and weather resistance, and has high shielding property. It is recommended to do product testing before production. 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

Color Range:

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



XAbove colors only for reference

Fine Cause Color Matching Service:

Please provide Pantone color number or printed materials.

Application Field

Glass, varnish surface, metal anode, electroplating, thermosetting plastic, poly thiamine (PA), polycarbonate (PC), pre-treated polyethylene (PE) and polypropylene (PP), polyurethane rubber (PU), hard PVC. 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

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

Additives:

- 1 Thinner Added before production, the ink can be adjusted to the appropriate printing viscosity.
- 2 Retarder The retarder's volatilization rate is slow, and the retarder is added to control the ink drying time. Note that adding too much will affect the adhesion of the ink.
- 3. Hardener The hardener is added to the ink to increase the adhesion of the ink. 100VR1433 is the standard hardener. Adding ratio is about 10%-20%. 100VR1294 is a hardener for glass. Adding ratio is about 10%-20%.

Operation Suggestions:

- 1. 110GK-B series ink can be used in all screen printing equipment on the market. The printing speed can reach 800-1600Pcs per hour.
- the adhesion of ink.
- recommended to pre-treat PP printing with a surface tension of at least 52 mN/m (Dynes/cm)

Curing Conditions:

The physical drying of 110GK-B series ink is through the volatilization of the solvent, about 15 minutes at room temperature, and then chemical drying by adding a hardener. The drying of the ink added with the hardener reached complete drying at room temperature in about 36 hours. Multi-color printing is recommended to use equipment that immediately dries, such as infrared drying and hot air systems.



Precautions:

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



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2. PP and PE materials need to be pre-treated first by flame treatment or corona discharge, mainly to ensure

It is recommended to pre-treat PE printing with a surface tension of at least 42 mN/m (Dynes/cm) It is



RUCO-110GK B https://www.finecause.com/products/category7

T01-HF Mseries Pad Printing

Ink – 2-component ink



Ink Characteristics:

It is a high-gloss, physically dry and chemically active pad printing ink with good mechanical and chemical resistance and flexibility.

T01-HF series is halogen-free (fluorine, bromine, iodine) ink and its color is light and weather resistant, and has high shielding properties. It is recommended to do product testing before production. 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

Color Range:

White

base

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



White	T01HF1047
Black	T01HF9053
Black	T01HF9026
Clear	T01HF0041

T01HF1088	
T01HF1047	
T01HF9053	
T01HF9026	
T01HF0041	

Yellow	T01HF2409		
-			
Orange	T01HF30137		
Red	T01HF30138		
Pink	T01HF30139		

Yellow

T01HF2408	
T01HF2409	
T01HF30137	

Service:

Violet	T01HF50103
Blue	T01HF50104

Application Field

Glass, metal anode, ceramic, acrylic

thermosetting plastic, polyamide (PA),

Since the above materials may be

production method, it is necessary to

test whether the ink is suitable before

agents, and sliding additives may have

a negative effect on adhesion, so they

must be detected and removed before

Stored in the original packaging at 21 degrees

Celsius, unopened can be stored for 2 to 3

years, used as soon as possible within 12

printing. Antistatic agents, release

different in chemical structure or

polyethylene (PE), and polypropylene (PP),

(acrylic), bright lacquered surface,

polycarbonate (PC), pre-treated

polyurethane rubber (PU).

printing.

Shelf Life

months after opening.

Fine Cause Color Matching

Please provide Pantone color

number or printed materials.

XAbove colors only for reference

Additives:

- 1 Thinner Added before production, the ink can be adjusted to the appropriate printing viscosity.
- 2 Retarder The retarder's volatilization rate is slow, and the retarder is added to control the ink drying time. Note adding too much will affect the adhesion of the ink.
- 3. Hardener The hardener is added to the ink to increase the adhesion of the ink.

100VR-1433 is the standard hardener, the addition ratio is about 10-20%, 100VR-1294 is the glass hardener, the addition ratio is about 10-20%, the general baking temperature is 80~140℃ 30 mins/ glass 180℃ 30 minutes.

Operation Suggestions:

- 800-1600Pcs per hour.
- mainly to ensure the adhesion of ink. 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), T01-HF B series ink is controlled to dry within 5 minutes. The drying of the ink added with the hardener reached complete drying 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.

End Products



▲ Ceramic mug

Precautions:

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



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that

1. T01-HF B series ink can be used in all screen printing equipment on the market. The printing speed can reach

2. PP and PE materials need to be pre-treated first by flame treatment or corona discharge,

It is recommended to pre-treat PE printing with a surface tension of at least 42 mN/m (Dynes/cm) It is



RUCO-T01HF M

網站介紹: https://www.finecause.com/products/category7

RUCO® 920UV G series Screen Printing Ink

– 1-component ink



Application Field

Polyethylene (PE) and polypropylene (PP), PVC, other plastic types of pretreatment substrates, paper and cartons. 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

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

Fine Cause Color Matching Service

Please provide Pantone color number or printed

Ink

Character istics:

It is a series of high-gloss UV inks, which have strong reactivity. Even under the high-speed printing of the machine, they can maintain good curing and adhesion. 920UV series, without adding toxic substances and solvents, this series of inks show good solvent resistance and water resistance after 12 hours, suitable for extreme climatic conditions (temperature>28 degrees C). It is recommended to do product testing before

materials.

Color Range:

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

White	920UV-1119	Orange	920UV-30226	Green	920UV-6883
Black	920UV-9197	Red	920UV-30227	Blue	920UV-9197
Clear base	920UV-0007	Red	920UV-30228		
Yellow	920UV-2606	Pink	920UV-30229		
Yellow	920UV-2607	Violet	920UV-50315		

XAbove colors only for reference

Additives

addition of thinner.

Reduce ink consistency-UV special thinner 920UV-0014 (maximum addition amount 2-5%) Increase curing-UV special active diluent 920UV-0010 (maximum addition amount 2-5%)

- Note that adding too much will affect the adhesion of the ink.
- 3 Hardener The hardener is added to the ink to increase the adhesion of the ink.

Operation Suggestions:

- 1 920UV series ink can be used in all screen printing machines on the market.
- 2 Pre-treatment-PP and PE materials must be pretreated. The method is flame treatment or corona discharge. Mainly to ensure the adhesion of ink. It is recommended to pre-treat PE printing with a surface tension of at least 42mN/m (Dynes/cm). It is recommended to pre-treat PP printing with a surface tension of at least 52mN/m (Dynes/cm).

Curing Conditions:

- 1. All colors of 920UV series can be cured by using medium pressure mercury vapor lamp (at least 160W/cm).
- completely cured.
- curing and adhesion.

End Products





▲ PP bucket

▲ PP cup

Precautions:

UV ink may cause irritation and may increase skin sensitivity and may cause allergies, so it is strongly recommended to use disposable gloves and goggles.

For further safety, preservation, and environmental issues, please refer to the Material Safety Data Sheet (MSDS).

Website: https://www.finecause.com/knowledges/knowledge3



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1 Thinner - Added before production, the ink can be adjusted to the appropriate printing viscosity via the

2 Retarder - The retarder's volatilization rate is slow, and the retarder is added to control the ink drying time.

100VR1259 hardener, add up to 2% (printing needs at room temperature 21 °C, within 12 hours).

2. The best energy output is 250-300 mJ/cm2. 12 hours after UV curing is the curing stage, after which the ink film will be

3. However, it should be noted that low radiation intensity, excessive machine speed or excessive film thickness may affect

4. Pay attention to the uncured printed matter, which is hazardous waste, which should be cured before processing.



▲ PE bottle



▲ PP bottle

RUCO-920UV G

https://www.finecause.com/products/category7

937UV LED M Series Screen Printing Ink-1-

component ink



Application Field Glass, Metal, Ceramics, etc.

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

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

Ink Characteristics: After the LED-UV is cured, no additional heat treatment is required. The 937UV-LED ink series is suitable for multi-

color printing, suitable for chemical resistance and cosmetic agents. Compared with traditional UV-curable inks, it can achieve the best Adhesion and scratch resistance. It takes about 72 hours (stored at room temperature) to achieve water resistance and dishwasher, ice water or frost resistance performance. If the storage temperature is lower than 21 °C, it will prolong the setting time.

Color Range:

This series contains 10 reference colors, which can be mixed with each other to produce a wide range of colors. The commonly used standard on the market is Pantone.

Fine Cause Color Matching Service:

Please provide Pantone color number or printed materials.

Precautions:

For further safety, preservation, and environmental issues, please refer to the Material Safety Data Sheet (MSDS) Website: www.finecause.com.tw/support.php?catId=12



1. Thinner - Added before production, the ink can be adjusted to the appropriate printing viscosity via the addition of thinner.

Reduce viscosity, UV special thinner-920UV-0014LED (maximum addition amount 2-5%) Increase curing, ultraviolet special active thinner-937UV-0010LED (maximum addition amount 4-8%)

Operation Suggestions:

should be tested before production.

2. 937UV LED ink series is suitable for all screen printing equipment on the market.

Curing Conditions:

- the wavelength is 395nm.
- 2. With proper LED-UV curing, there is no need for additional final curing using conventional UV.
- negatively affect ink curing and adhesion.
- 4. The 937UV-LED series is highly reactive and avoids direct sunlight.







▲ Ceramic mug

▲ Glass

XAbove colors only for reference



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Additives:

1. Many glass containers have a cold end coating (CEC) on the surface to improve the scratch resistance of the surface. Therefore, in order to obtain good ink adhesion on the glass, the glass surface needs to be treated with flame, Pyrosil, and UVITRO. According to different hot and cold end coatings, it

1. Suitable for LED-UV curing lamps, the intensity (radiation of ultraviolet light) is at least 8W/cm 2 and

3. It should be noted that low radiation intensity, high machine speed, or excessive film thickness may

