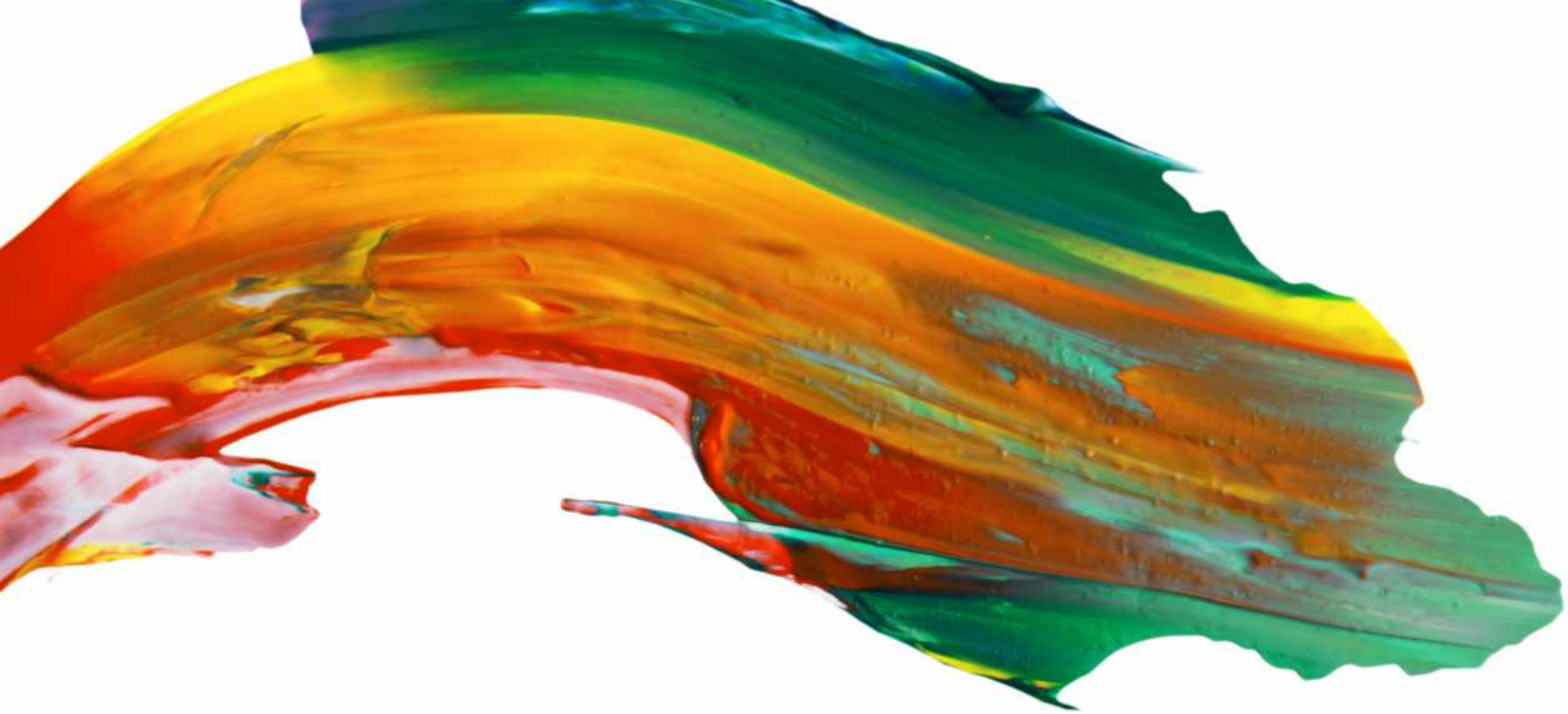


沃特英科
WATERINK

WATER-BASED SCREEN PRINTING INK FOR GLASS

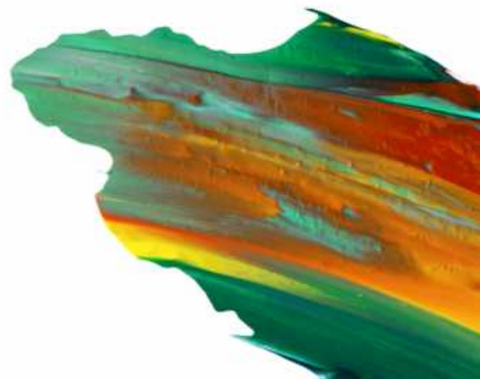
Address: Building 16, Shiyou Industrial Park, Shunde District, Foshan City, Guangdong Province
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【Read more by scanning code】

Water-based Ink

Water-based formula is lower in odour and more environmentally friendly!



沃特英科



Water-based formula is lower in odour
and more environmentally friendly!





ENTERPRISE BRIEF INTRODUCTION

Lauer Water-Based New Materials(Foshan) Co., Ltd.: The production base of Water Ink is located in Jun 'an Shiyou Industrial Park, the former residence of Bruce Lee in Foshan, Guangdong Province, and has more than 20 years of experience in screen printing industry. It is a leading international enterprise specializing in the production of water-based glass ink, water-based screen printing ink, water-based coating, UV ink coating and high-tech chemical products.

Since the establishment of the company, Lauer Water-based new Materials(Foshan) Co., Ltd. has always been in good faith and justice, quality first, stable product performance,keep improving, first-class service, affordable business philosophy to seek survival and development. Adhere to the rigorous and scientific work style, adhere to the spirit of caring for the earth and being responsible for the society, and strive to create green products. The company actively and enthusiastically for the majority of consumers, customers, partners to provide practical technical services, and therefore won the recognition and trust of the society.

With the development of specialization, marketization and internationalization, the company has cooperated closely with many well-known foreign suppliers of raw materials, made rapid development in the fields of market information and technological innovation, and created a new situation of complementary advantages, mutual benefit and win-win, serving the world and benefiting all mankind.

In order to better serve customers, the company set up the brand marketing center of Water Ink in Foshan, Guangdong Province, which mainly promotes the business of water-based glass ink. Water Ink sincerely looks forward to cooperating with you and creating brilliance hand in hand!



Our purpose and advantages

With the service tenet of "quality products, safety at ease", featuring environmental protection products, aiming at serving end users and projects, Water Ink has built a technical service team with solid professional knowledge and excellent service level to provide customers with timely and thoughtful consultation and on-site guidance.

Suggestion and optimization of screen printing scheme

According to the specific requirements of customers, we will recommend the optimal overall solution for supporting screen printing!

Specialized training of screen printing technicians

We will provide necessary professional training for screen printing technicians according to customers' requirements, including the selection of screen printing consumables, technical training and reasonable control of material loss.

On-site service construction guidance

According to customers' needs, we can send professional technical service personnel to the workshop to provide necessary on-site guidance for silk screen printing process and solve possible abnormal situations in time.

On-site service and guidance for key customers

At the initial stage when customers use our products, we can send professional technical service personnel to the factory for training, so as to solve the possible abnormal situations in the construction in time and ensure that technicians can completely construct independently and deal with common problems.

24 hours quick response

We will give solutions and suggestions within 24 hours from the customer's feedback, or arrange service personnel to go to the factory to solve the problem.



TEAM SPIRIT

No perfect individual, only a perfect team.

Success is not the strength of one person, it is the strength of a team, and the cohesion of wisdom will push this strength to infinity. Let's unite as one, go all out, with 100% efforts and confidence, build the first truly integrated water-based glass ink promotion service provider in China! Our team: Unity is strength, unite as one!

沃特英科

● Water Based High Temperature Glass Ink For Cooktop（strong hiding power）

【Basic Information】

The processing of kitchen glass for household appliances has special performance requirements for ink itself, and this product belongs to green products! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in refrigerators, freezers, range hoods, stoves, and other panel glass, as well as lighting glass,glass TV base,glass protective screen and other high-end decorative printing.



【Application Suggestion】

Tempering temperature: 680-720℃	**Tempering temperature:** Common colors available (other colors custom)
Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Thermal expansion coefficient (* 10-7/℃):** (78-85) × 10-7/k (50-300℃)
Construction method: Screen printing, roller coating,spray	**Wet film thickness:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-30℃	**Fineness:** 5-55(um)
Drying conditions: 150-180℃/5-10min	**Diluent:** quick dry 1096/medium slow dry 1097/ slow dry 1092
Shelf life: 12 months at room temperature	

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.







沃特英科

● Water Based High Temperature Glass Ink For Oven（lead and cadmium free）

【Basic Information】

The processing of oven glass for home appliances has special performance requirements for the ink itself, and this product belongs to green products! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in the glass panel of refrigerators, freezers, range hoods, stoves,oven, microwave oven and disinfection cabinet, lighting,glass TV base and glass protective screen.



【Application Suggestion】

Tempering temperature: 680-720℃	**Tempering temperature:** Common colors available (other colors custom)
Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Thermal expansion coefficient (* 10-7/℃):** (78-85) × 10-7/k (50-300℃)
Construction method: Screen printing, roller coating,spray	**Wet film thickness:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-30℃	**Fineness:** 5-55(um)
Drying conditions: 150-180℃/5-10min	**Diluent:** quick dry 1096/medium slow dry 1097/ slow dry 1092
Shelf life: 12 months at room temperature	

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.







Water Based High Temperature Glass Ink For Air Conditioner

【 Basic Information 】

The processing of air conditioner glass for home appliances has special performance requirements for the ink itself, and this product belongs to green products! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in the glass panel of refrigerators, freezers, range hoods, stoves,oven, microwave oven and disinfection cabinet, lighting, glass TV base and glass protective screen.



【 Application Suggestion 】

Tempering temperature: 680-720℃	**Tempering temperature:** Common colors available (other colors custom)
Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Thermal expansion coefficient (* 10-7/℃):** (78-85) × 10-7/k (50-300℃)
Construction method: Screen printing, roller coating,spray	**Wet film thickness:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-30℃	**Fineness:** 5-55(um)
Drying conditions: 150-180℃/5-10min	**Diluent:** quick dry 1096/medium slow dry 1097/ slow dry 1092
Shelf life: 12 months at room temperature	

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.





Water Based High Temperature Glass Ink For Refrigerator

【 Basic Information 】

The processing of refrigerator glass for home appliances has special performance requirements for the ink itself, and this product belongs to green products! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in the glass panel of refrigerators, freezers, range hoods, stoves,oven, microwave oven and disinfection cabinet, lighting, glass TV base and glass protective screen.



【 Application Suggestion 】

Tempering temperature: 680-720℃	**Tempering temperature:** Common colors available (other colors custom)
Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Thermal expansion coefficient (* 10-7/℃):** (78-85) × 10-7/k (50-300℃)
Construction method: Screen printing, roller coating,spray	**Wet film thickness:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-30℃	**Fineness:** 5-55(um)
Drying conditions: 150-180℃/5-10min	**Diluent:** quick dry 1096/medium slow dry 1097/ slow dry 1092
Shelf life: 12 months at room temperature	

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.







沃特英科

Water Based High Temperature Glass Ink With Slate Stone Texture

【 Basic Information 】

The processing of home appliance slate glass has special performance requirements for ink itself, and this product belongs to green products! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance.Widely used in refrigerator, freezer, range hood, stove, oven, microwave oven, disinfection cabinet and other panel glass, lighting glass, TV base glass and protective screen glass. The ink can be used repeatedly without burning oil. We can modulate bright, matte and metallic color effects according to customer's requirements.



【 Application Suggestion 】

Tempering temperature: 680-720℃	**Tempering temperature:** Common colors available (other colors custom)
Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Thermal expansion coefficient (* 10-7/℃):** (78-85) × 10-7/k (50-300℃)
Construction method: Screen printing, roller coating,spray	**Wet film thickness:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-30℃	**Fineness:** 5-55(um)
Drying conditions: 150-180℃/5-10min	**Diluent:** quick dry 1096/medium slow dry 1097/ slow dry 1092
Shelf life: 12 months at room temperature	

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.



沃特英科

Water Based High Temperature Glass Ink For Elevator

【 Basic Information 】

The processing of elevator glass has special performance requirements for ink itself, and this product belongs to green products!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance. In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in elevator glass, instrument glass, glass and other high-end decorative printing.



【 Application Suggestion 】

Tempering temperature: 680-720℃	**Tempering temperature:** Common colors available (other colors custom)
Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Thermal expansion coefficient (* 10-7/℃):** (78-85) × 10-7/k (50-300℃)
Construction method: Screen printing, roller coating,spray	**Wet film thickness:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: 150-180℃/5-10min	**Diluent:** quick dry 1096/medium slow dry 1097/ slow dry 1092
Shelf life: 12 months at room temperature	

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.



Water Based High Temperature Lighting Glass Ink(highly cost effective)

【 Basic Information 】

The processing of lighting glass has special performance requirements for ink itself, and this product belongs to green products! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.Uniform color, less impurities. Widely used in low-end markets such as lighting glass.



【 Application Suggestion 】

Tempering temperature: 680-720℃

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T

Construction method: Screen printing, roller coating,spray

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: 150-180℃/5-10min

Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)

Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)

Wet film thickness: 10-30(um)

Fineness: 5-55(um)

Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.



Water Based High Temperature Glass Ink With Frosting Effect

【 Basic Information 】

The processing of frosted glass has special performance requirements for ink itself, and this product belongs to green products! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in high-end decorative printing such as shower room and lighting glass, home appliance glass and glass protective screen.



【 Application Suggestion 】

Tempering temperature: 680-720℃

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T

Construction method: Screen printing, roller coating,spray

Operating environment (humidity/temperature): 55-65%/23-30℃

Drying conditions: 150-180℃/5-10min

Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)

Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)

Wet film thickness: 10-30(um)

Fineness: 5-55(um)

Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.





Water Based High Temperature Glass Ink For Photovoltaic Panel(photovoltaic backplane in white)

【 Basic Information 】

Photovoltaic ink is a kind of water based highly reflective coating developed by our company and applied to the backplane of photovoltaic double glass module. This product is a green product! Water-based formula is lower in odour and more environmentally friendly!Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! Through the performance test certification of National Inspection Center, SGS environmental protection certification and general cargo transportation certification, the products are pure and environmentally friendly, with superior comprehensive performance, low shrinkage and high reflectivity, which can effectively increase the power generation efficiency of components.



【 Application Suggestion 】

Color and gloss (X-rite densitometer): White	**Reflectivity:** (38-1100nm) 82 ± 3%
Solid content: 78 ± 3%	**Fineness (OXD scraper fineness meter):** ≤ 6um
Viscosity(VT-04F Viscometer,25℃): 300 ± 50dpa.s	**Diluent:** quick dry 1096/medium slow dry 1097/ slow dry 1092
Shelf life: 12 months at room temperature	**Screen printing:** It is recommended to use 150-250 mesh
Operating environment (humidity/temperature): 20-25℃/50-65%	**Ink thickness:** 20-30um
Drying conditions: 180℃/3-5min	**Sintering conditions:** 650-720℃

Precautions for use and preservation:

1. This product is only used for the glass substrate of photovoltaic backboard, and the sintering temperature range is 650-720℃. If it exceeds the temperature range, the glass may be damaged. Based on the difference of substrate and construction conditions, please do sample test before batch use to ensure the applicability and matching of materials.

2. Before use, please stir well and let it stand for more than 30min. The dosage of diluent should not exceed 8%, and the high dosage of diluent will affect the shading performance.

3. Keep the workplace clean, so as to avoid dust adsorption on the ink surface. In addition, please keep the air open, and avoid high temperature, high heat and high humidity. If the humidity of screen printing environment is too high, please use air conditioning to dehumidify or add an appropriate amount of defoamer within 0.2% to stir and stand by.

4. Please seal the cover immediately after use and store it below 25℃; Avoid mixing sand ash, dust and metal powder into the slurry; Please stir thoroughly before using it again.

5. If you accidentally splash into your eyes, please wash with plenty of water. If you feel unwell, please see a doctor immediately.

6. If you have any questions about the use, storage and quality of this ink, please contact the technical department of our company.



Water Based High Temperature Glass Ground Glaze(mainly in white)

【 Basic Information 】

The processing of printing ground glaze on glass has special performance requirements for the ink itself, which can be suitable for all high-temperature printing inks at home and abroad, without burning oil and reacting. This product is a green product! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! High-temperature ink can be perfectly blended and widely used in the fields of furniture slate glass and home appliance slate glass.



【 Application Suggestion 】

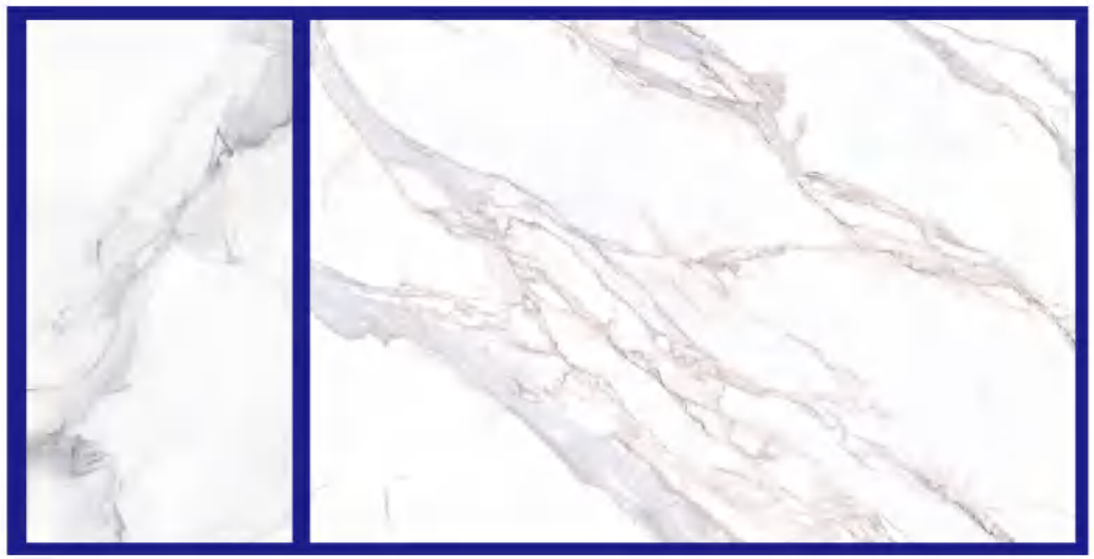
Tempering temperature: 680-720℃	**Tempering temperature:** Common colors available (other colors custom)
Screen printing: It is recommended to use 150-200 mesh/squeegee hardness 60-85T	**Thermal expansion coefficient (* 10-7/℃):** (78-85) × 10-7/k (50-300℃)
Construction method: Screen printing, roller coating,spray	**Wet film thickness:** 20-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: 150-180℃/5-10min	**Diluent:** quick dry 1096/medium slow dry 1097/ slow dry 1092
Shelf life: 12 months at room temperature	

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.



沃特英科

Water Based High Temperature Curtain Wall Glass Ink

【Basic Information】

The processing of curtain wall glass has special performance requirements for ink itself. The product has good weather resistance and excellent printability! This product belongs to green products!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in building glass, photovoltaic glass, curtain wall glass and other fields.



【Application Suggestion】

Tempering temperature: 680-720℃

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T

Construction method: Screen printing, roller coating,spray

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: 150-180℃/5-10min

Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)

Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)

Wet film thickness: 20-30(um)

Fineness: 5-55(um)

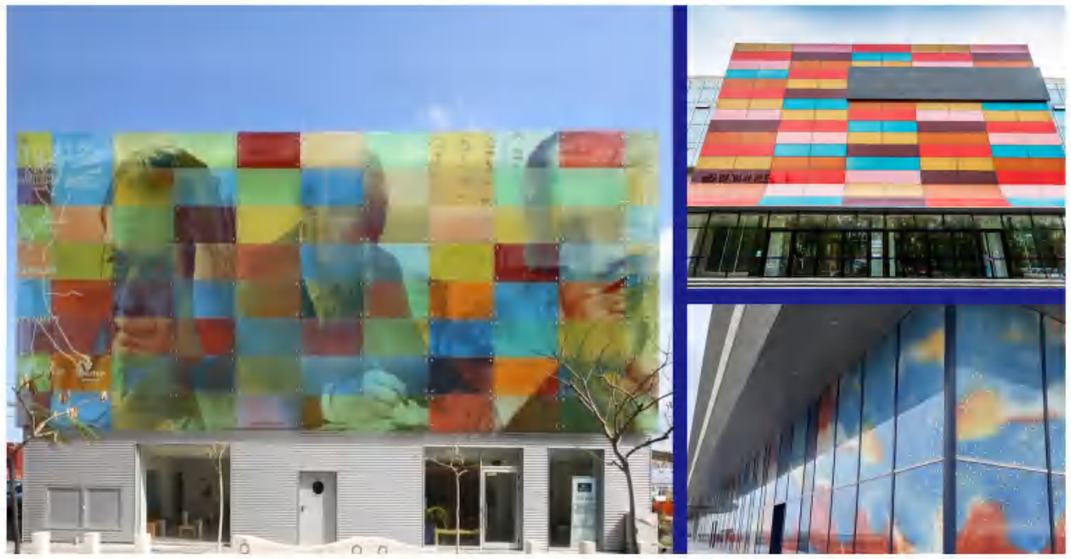
Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3~5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.



沃特英科

Water Based High Temperature Shower Room Glass Ink

【Basic Information】

The processing of shower room glass has special performance requirements for the ink itself. The ink has excellent printability, does not block and dry the screen, and is suitable for large screen printing. This product is a green product! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in shower room glass industry, lighting glass, TV base glass and protective screen glass. Common colors are white and frosted ink.



【Application Suggestion】

Tempering temperature: 680-720℃

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T

Construction method: Screen printing, roller coating,spray

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: 150-180℃/5-10min

Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)

Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)

Wet film thickness: 10-30(um)

Fineness: 5-55(um)

Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3~5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.



High Temperature Building Glass Ink

【 Basic Information 】

The processing of building glass has special performance requirements for the ink itself. The ink has good weatherability and acid resistance, fine ink, slow drying and lubrication and is suitable for large-scale printing. This product is a green product! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.In special application fields, it also has high mechanical impact resistance and thermal impact resistance.Widely used in glass partition, curtain wall glass, outdoor advertising glass, building glass and other glass decoration. More suitable for large-scale printing,-does not dry the screen,fine particle size, wide tolerance, and high cost performance.



【 Application Suggestion 】

Tempering temperature: 680-720℃
Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T
Construction method: Screen printing, roller coating,spray
Operating environment (humidity/temperature): 55-65%/23-35℃
Drying conditions: 150-180℃/5-10min
Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)
Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)
Wet film thickness: 10-30(um)
Fineness: 5-55(um)
Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):
Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.
Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.
Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.



Water Based High Temperature Cover(display screen) Glass Ink For Sintering

【 Basic Information 】

The ink processing of display glass has special performance requirements for the ink itself. The ink has good fineness, good printability,printing without sawtooth and strong hiding power. This product belongs to green product water-based! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.In special application fields, it also has high mechanical impact resistance and thermal impact resistance.Widely used in display glass and protective screen glass cover, etc.



【 Application Suggestion 】

Tempering temperature: 580-650℃
Screen printing: It is recommended to use 250-350 mesh/squeegee hardness 60-85T
Construction method: Screen printing
Operating environment (humidity/temperature): 55-65%/23-35℃
Drying conditions: 150-180℃/5-10min
Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)
Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)
Wet film thickness: 10-30(um)
Fineness: 3-10(um)
Diluent: medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):
Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.
Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.
Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.



沃特英科

Water Based High Temperature Automotive Side Windshield Glass Ink With Strong Hiding Power

【Basic Information】

Automotive side Windshield ink is black high-temperature glass glaze. This product is black matte high-temperature glass glaze, which is mainly refined from glass powder, high environmental protection melanin, water-based environmental protection resin and additives.It is mainly used to toughen automotive side windshields, with good printing performance, no blocking or drying, slow drying and smoothness, and wide tempering tolerance.



【Application Suggestion】

Color and gloss (X-rite densitometer): Black

Fineness (OXD scraper fineness meter) : ≤ 5um

Acid resistance(ASTM C724-91): 24H

Viscosity: 6000±20dpa.s

Operating environment (humidity/temperature): 20-25° C/40-60%

Drying conditions: 150-180℃/5-8min

Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Solid content: 78±2%

Thermal expansion coefficient (*10-7/℃): 85-90*10-7/℃

Screen printing: It is recommended to use 180-250 mesh

Ink thickness: 20-30um

Sintering conditions: 680-710℃/8-3min(40s/mm thickness of glass)

Shelf life: 12 months at room temperature(sealed)

Blend: Adding diluent according to the required proportion, stirring and dispersing for more than 4 hours, standing for 2 hours and printing.

Notice:

The conclusions of the above report are the test results of the company's internal laboratory and are only for technical reference. Based on the difference of substrate and construction conditions, please do sample test before batch use to ensure the applicability and matching of materials. In case of construction problems, please contact the technical department of our company.

Acid and alkali resistance (if required):

acid resistance-at room temperature, there is no obvious change on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min. Alkali resistance at room temperature, there is no obvious change on the surface after soaking in 5% sodium hydroxide solution for 10-15min

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs



沃特英科

Water Based High Temperature Automotive Front Windshield Glass Ink With Strong Hiding Power

【Basic Information】

This series is dedicated to the field of high-end automobile windshield printing. Produced with imported raw materials, it is green, low odor, non-toxic and harmless, and has better hiding power and blackness than traditional ink. Washing the net directly with tap water has less smell and lower cost. Avoid the harm to human body caused by the use of benzophenone net washing water, which is more environmentally friendly. This product belongs to green products and is more environmentally friendly with lower water-based taste! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster!



Application Suggestion:

It is recommended to use 100T for this series of SJQT501 High-covering Water Based Ink For Glass Of Automotive Front Windshield in black. Generally, 100T-120T can be used, and the sensitive emulsion can be coated with KH2000 series.The screen made from this has the advantages of high resolution, high printing resistance and good sharpness. This series of ink has a high viscosity and belongs to thixotropic ink (that is, the more it is stirred, the thinner it becomes), so it must be fully stirred before printing before the ink can be printed. This product has been adjusted to the best printability. Generally, there is no need to add other diluents, so as not to affect the hiding power. If it needs to be added,must use our special diluent-7200S-401 and 7200S-411. Generally, the dosage of diluent is between 1% and 2%. If the ink is too thin, it will affect the hiding power.Please adjust and confirm the quality within this range before batch production.Otherwise, any quality issues arising from this shall be borne by the customer. This series of inks has relatively high viscosity, making it suitable for machine printing and overprinting. Baking before tempering is required to achieve higher adhesion and better results.

Storage:

It is recommended to store in a low temperature environment of no more than 30 degrees away from light, and please note that the mouth of the packaging container is facing up. The shelf life of this product is 12 months.

Packaging: 10KG/25KG and other packaging.

How to clean the screen with this series of inks:

It is recommended to clean it with tap water as soon as possible after printing. If the screen plate with high viscosity is slightly difficult to clean, it will be easier to clean it by adding some detergent. After cleaning, dry the screen plate with an air gun as soon as possible to avoid affecting the next use.

Acid and alkali resistance (if required):

acid resistance-at room temperature, there is no obvious change on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min. Alkali resistance at room temperature, there is no obvious change on the surface after soaking in 5% sodium hydroxide solution for 10-15min

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.





沃特英科

Water Based High Temperature Bottle Glass Ink For Sintering

【Basic Information】

The processing of glass bottles has special performance requirements for ink itself, and this product belongs to green products! Water-based formula is lower in smell and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in perfume bottles, cosmetic bottles, water cups, beverage bottles, wine bottles and other glass printing.



【Application Suggestion】

Tempering temperature: Bake at 580-620℃ for half an hour

Screen printing: It is recommended to use 180-350 mesh/squeegee hardness 60-85T

Construction method: Screen printing

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: 150-180℃/5-10min

Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)

Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)

Wet film thickness: 10-30(um)

Fineness: 5-55(um)

Diluent: medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):

acid resistance- at room temperature, there is no obvious change on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance at room temperature, there is no obvious change on the surface after soaking in 5% sodium hydroxide solution for 10-15min

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs













沃特英科

Water Based High Temperature Micro Crystalline Plate Glass Ink

【Basic Information】

The processing of micro crystalline plate has special performance requirements for ink itself, and this product belongs to green products!Water-based formula is lower in smell and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance.Widely used in induction cooker glass, ceramic furnace glass, wall-hung furnace glass and so on.



【Application Suggestion】

Tempering temperature: Bake at 720-730℃ for half an hour

Screen printing: It is recommended to use 350-420 mesh/squeegee hardness 60-85T

Construction method: Screen printing, roller coating,spray

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: 150-180℃/5-10min

Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)

Thermal expansion coefficient (* 3.3/℃): (78-85) × 10-0/K (50-300℃)

Wet film thickness: 10-30(um)

Fineness: 5-55(um)

Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):

acid resistance- at room temperature, there is no obvious change on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance at room temperature, there is no obvious change on the surface after soaking in 5% sodium hydroxide solution for 10-15min

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs













沃特英科

Water Based High Temperature High Borosilicate Glass Ink

【 Basic Information 】

The processing of high borosilicate glass has special performance requirements for ink itself, and this product belongs to green products!Water-based formula is lower in smell and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster!In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance.Widely used in glass panel of refrigerator, freezer, oven, microwave oven, instrument and other fields.



【 Application Suggestion 】

Tempering temperature: Bake at 720-730℃ for half an hour

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T

Construction method: Screen printing, roller coating,spray

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: 150-180℃/5-10min

Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)

Thermal expansion coefficient (* 3.3/℃): (78-85)×10-3.3/K (50-300℃)

Wet film thickness: 10-30(um)

Fineness: 5-55(um)

Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.

Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.











沃特英科

Water Based Mixing Medium For Glass

【 Basic Information 】

The processing of water based mixing medium has special performance requirements for the ink itself .The ink is fine, smooth and has good off-screen performance! This product is a green product! Water based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! Widely used in the production process of high temperature glass sintering ink. The product has good thixotropy, good carbonization, excellent wettability and good leveling, and is suitable for making high-end water based glass ink process.



【 Application Suggestion 】

Construction method: Screen printing,Roller coating

Shelf life: 12 months at room temperature

Tempering temperature: Transparent and colorless

Operating environment (humidity/temperature): 55-65%/23-30℃

Water Based Mixing Medium For Ceramic

【 Basic Information 】

The processing of water based mixing medium for ceramic has special performance requirements for the ink itself. The product has good weather resistance and excellent printability! It is a green product! Water based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! Low carbonization rate, white ink does not turn black after sintering! High load capacity, excellent wettability to powder! Continuous screen printing without sawtooth! Printing is smooth and not easy to dry! The surface is bright and smooth after sintering! Excellent wet weather resistance, no foaming and good leveling! Screen washing is good, the smell is lower and more environmentally friendly! Widely used in the production and preparation of various water based high-temperature ceramic inks.



【 Application Suggestion 】

Construction method: Screen printing

Shelf life: 12 months at room temperature

Tempering temperature: Transparent and colorless

Operating environment (humidity/temperature): 55-65%/23-30℃







沃特英科

Water Based High Temperature Roller Coating Glass Ink

【 Basic Information 】

The processing of glass roller coating ink has special performance requirements for the ink itself. The product has good leveling and strong hiding power, and is specially developed for roller coating machine! It belongs to green products!Water-based formula is lower in smell and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in glass panel of refrigerator, freezer, range hood, stove, oven, microwave oven, disinfection cabinet, lighting glass,glass TV base and glass protective screen.



【 Application Suggestion 】

Tempering temperature: 680-720℃
Construction method: Roller coating
Operating environment (humidity/temperature): 55-65%/23-30℃
Drying conditions: 150-180℃/5-10min
Diluent: medium slow dry 1097/ slow dry 1092

Tempering temperature: Common colors available (other colors custom)
Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)
Wet film thickness: 10-30(um)
Fineness: 5-55(um)
Shelf life: 12 months at room temperature

Acid and alkali resistance (if required):
acid resistance-at room temperature, there is no obvious change on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.
Alkali resistance at room temperature, there is no obvious change on the surface after soaking in 5% sodium hydroxide solution for 10-15min
Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs



沃特英科

Water Based High Temperature Glass Paint

【 Basic Information 】

The processing of high-end spray paint has special performance requirements for the ink itself, and this product belongs to green products!Water-based formula is lower in smell and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance.Widely used in glass panel of refrigerator, freezer, range hood, stove, oven, microwave oven, disinfection cabinet,lighting glass,glass TV base and glass protective screen.



【 Application Suggestion 】

Tempering temperature: Bake at 680-720℃
Construction method: Spray
Operating environment (humidity/temperature): 55-65%/23-30℃
Drying conditions: 150-180℃/5-10min
Diluent: quick dry 1096/medium slow dry 1097

Tempering temperature: Common colors available (other colors custom)
Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)
Wet film thickness: 10-30(um)
Fineness: 5-55(um)
Shelf life: 12 months at room temperature

Acid and alkali resistance (if required):
acid resistance-at room temperature, there is no obvious change on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.
Alkali resistance at room temperature, there is no obvious change on the surface after soaking in 5% sodium hydroxide solution for 10-15min
Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs



沃特英科

● High-temperature Wax Printing Ink for Glassware

【 Basic Information 】

The processing of High-temperature Wax Printing Ink for Glassware has special performance requirements for ink itself, and this product belongs to green products! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance.Widely used in glass panel of refrigerator, freezer, range hood, stove, oven, microwave oven, disinfection cabinet,lighting glass,glass TV base and glass protective screen.



【 Application Suggestion 】

Tempering temperature: Bake at 580-620℃ for half an hour
Screen printing: It is recommended to use stainless steel mesh (preheated to 65℃ - 80℃), with a mesh count of 150-300/ squeegee hardness of 60-85 T
Construction method: Screen Printing
Operating environment (humidity/temperature): 55-65%/23-30℃
Drying conditions: 150-180℃/5-10min

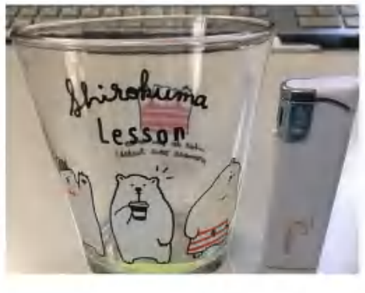
Tempering temperature: Common colors available (other colors custom)
Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)
Wet film thickness: 20-30(um)
Fineness: 5-55(um)
Diluent: Wax Block
Shelf life: 12 months at room temperature

Acid and alkali resistance (if required):
Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.
Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.
Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs.











沃特英科

● Water Based High Temperature Wine Bottle Glass Paint

【 Basic Information 】

The processing of wine bottle glass has special performance requirements for the ink itself, and this product belongs to green products!Water-based formula is lower in smell and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance.Widely used in wine bottles, beverage bottles and glass.



【 Application Suggestion 】

Tempering temperature: Bake at 580-620℃ for half an hour
Construction method: Spray
Operating environment (humidity/temperature): 55-65%/23-35℃
Drying conditions: 150-180℃/5-10min
Diluent: quick dry 1098/extra quick dry1091

Tempering temperature: Common colors available (other colors custom)
Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)
Wet film thickness: 10-30(um)
Fineness: 5-55(um)
Shelf life: 12 months at room temperature

Acid and alkali resistance (if required):
acid resistance-at room temperature, there is no obvious change on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.
Alkali resistance at room temperature, there is no obvious change on the surface after soaking in 5% sodium hydroxide solution for 10-15min
Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs











High Temperature Glass Digital Printing Ink

【 Basic Information 】

High temperature glass digital printing ink has special performance requirements, and this product belongs to green products!Our independent research and development of high temperature ink for glass high temperature digital inkjet printer not only provides high-tech intelligent technology transformation and upgrading that can replace traditional screen printing technology for glass deep processing enterprises, but also breaks through the application space of glass in new materials and technologies.This product has high hardness and good weather resistance! Bright colors, excellent acid and alkali resistance! Good fineness, printing high leveling! Suitable for all kinds of printing heads, suitable for all kinds of high-end glass decoration technology application market.



【 Application Suggestion 】

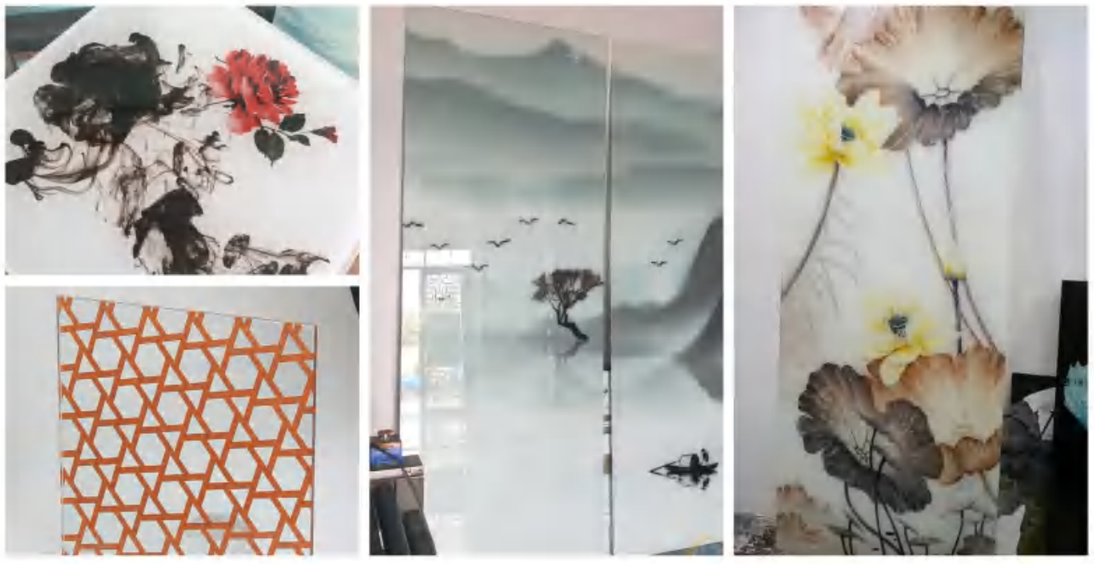
Tempering temperature: 680-720℃
Construction method: Inkjet printing

Operating environment (humidity/temperature): 55-65%/23-30℃
Drying conditions: 150-180℃/5-10min
Shelf life: 12 months at room temperature

Tempering temperature: Red,Yellow,Blue,Black,White,Green
Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)

Wet film thickness: 0.5-0.8(um)
Fineness: 0.5-0.8(um)
Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):
Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.
Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.



Water Based High Temperature Safety Glass Ink

【 Basic Information 】

The processing of water based high temperature safety glass Ink has special performance requirements for the ink . The ink has good printing performance, does not dry the screen, and can print fine fonts. This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.In special application fields, it also has high mechanical impact resistance and thermal impact resistance.Widely used for 3C safety glass marking printing on shower enclosures, architectural glass, glass railings, door and window glass, partition glass, etc.
(Our company also provides 3C safety glass printing screens as supporting equipment.)



【 Application Suggestion 】

Tempering temperature: 680-720℃
Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T
Construction method: Screen printing
Operating environment (humidity/temperature): 55-65%/23-35℃
Drying conditions: 150-180℃/5-10min
Shelf life: 12 months at room temperature

Tempering temperature: Common colors available (other colors custom)
Thermal expansion coefficient (* 10-7/℃): (78-85) × 10-7/k (50-300℃)
Wet film thickness: 10-30(um)
Fineness: 5-55(um)
Diluent: quick dry 1096/medium slow dry 1097/ slow dry 1092

Acid and alkali resistance (if required):
acid resistance-at room temperature, there is no obvious change on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.
Alkali resistance at room temperature, there is no obvious change on the surface after soaking in 5% sodium hydroxide solution for 10-15min
Note: This series of inks can be divided into lead-containing cadmium and lead-free cadmium. Please fully understand the customer's needs



沃特英科

● Water Based Low Temperature Glass Ink(WT7600 series)

【 Basic Information 】

The processing of kitchen glass for household appliances has special performance requirements for ink itself, and this product belongs to green products! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in refrigerators, freezers, range hoods, stoves, and other panel glass, as well as lighting glass,glass TV base,glass protective screen and other high-end decorative printing.



【 Application Suggestion 】

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T

Common pigment color: Common colors available (other colors custom)

Construction method: Screen printing, roller coating,spray

Wet film thickness: 10-30(um)

Operating environment (humidity/temperature): 55-65%/23-35℃

Fineness: 5-55(um)

Drying conditions: 150-180℃/5-10min

Diluent: 922#

Shelf life: 12 months at room temperature

Curing agent: 858#-5%

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.



沃特英科

● WTSK Water Based Peelable Protective Coating

【 Basic Information 】

This water based peelable protective coating is an environmentally friendly, temporary protective material specifically developed for irregular, complex, and non-standard substrates. It overcomes the limitations of traditional protective films and coatings, addressing industry pain points such as incomplete coverage on curved, angular, and uneven workpieces, high-temperature delamination, tensile cracking, and stubborn residue. The product is compatible with multiple application processes, offering exceptional film toughness, excellent heat resistance, and far superior conformability compared to conventional protective products. It adheres tightly to the substrate, providing a custom-fit protective layer, making it ideal for temporary protection throughout the entire process of precision hardware, automotive parts, and fragile craft items—whether during industrial production, spray painting, high-temperature processes, or transportation and handling.

Formulated with a purely water-based, environmentally friendly composition, it is low-odor, non-irritating, contains no harmful solvents, and has low VOC content, fully complying with industrial environmental standards. After protection is no longer needed, the coating can be easily peeled off as a whole sheet by hand—effortlessly, with no residue, no marks, and no corrosion left on the substrate surface. No secondary cleaning or polishing is required, significantly reducing labor costs while preserving the original paint and texture of the workpiece.



【 Applicable Substrates & Wide Application Scenarios 】

1. Applicable Substrates

Glass, metal products, and various fragile or scratch-prone materials requiring temporary protection.

2. Key Application Areas

- Automotive & Hardware Industry: Irregular auto parts, precision hardware, stamped parts, bent components, decorative profiles – suitable for high-temperature baking paint, spraying, polishing, and electroplating process protection.
- Fragile Craft Items: Artistic glass, ceramic crafts, carved ornaments, precision acrylic products – prevents chipping, breakage, and scratch damage during processing and transportation.
- Industrial Process Protection: Masking for spray painting, protection during high-temperature operations, workshop dust and paint mist shielding, scratch prevention during warehousing and transport, and temporary isolation between production stages.

【 Core Product Advantages 】

1.Versatile Application: Compatible with screen printing, spraying, and brushing – suitable for both small and large production runs, with a low application threshold.

2.High Performance: Withstands up to 180° C heat, combined with ultra-high tensile strength without cracking – ideal for demanding high-temperature industrial processes.

3.Designed for Irregular Shapes: Specifically formulated to solve protection challenges on non-standard, irregular substrates, ensuring full coverage without dead corners.

4.Cost-Effective: Eliminates the need for film alignment and residue removal – saves time, labor, and reduces material loss.

5.Eco-Friendly: Pure water based formula, safe and odorless, complying with factory environmental standards.

6.Superior Conformability: Far outperforms ordinary protective films in adhesion and coverage, ensuring comprehensive protection of workpiece integrity.



Water Based PG Ink For Leather

【 Basic Information 】

Water based PG ink for leather has special performance requirements. The ink is fine and smooth, and has good off-screen performance! This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. Good softness and excellent adhesion! Widely used in leather products.





【 Application Suggestion 】

Screen printing: It is recommended to use 100-200 mesh/squeegee hardness 60-85T

Construction method: Screen printing, roller coating and spray

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: Air drying for 24 hours

Shelf life: 12 months at room temperature

Common pigment color: Common colors available (other colors custom)

Thickness of wet film: 10-30(um)

Fineness: 5-55(um)

Diluent: 922#

Water Based Anti-Counterfeiting Ink

【 Basic Information 】

Water based anti-counterfeiting ink has special performance requirements for ink itself, the ink is fine and smooth, and has good off-screen performance! This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.Used in various high-end anti-counterfeiting printing fields such as tobacco and alcohol packaging, medicine bag, bill printing, currency printing, etc.



【 Application Suggestion 】

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T

Construction method: Screen printing

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: Air drying or UV

Shelf life: 12 months at room temperature

Common pigment color: Common colors available (other colors custom)

Thickness of wet film: 10-30(um)

Fineness: 5-55(um)

Diluent: 922#

Water Based Glass Metal Protection Ink

【 Basic Information 】

Water based glass metal protection ink has special performance requirements for ink itself. The ink is fine and smooth, and has good off-screen performance! This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! Common colors are black and blue. Mainly used for glass, metal panels and other easy-to-scratch products for protection! The coating can be removed with 5% alkaline water (acid and alkali resistant).



【 Application Suggestion 】

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T

Construction method: Screen printing, roller coating and spray

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: 150-180℃/5-10min

Shelf life: 12 months at room temperature

Common pigment color: Black or light blue

Thickness of wet film: 10-30(um)

Fineness: 5-55(um)

Diluent: （922#）

Water Based Ink For Aluminum Plate

【 Basic Information 】

Water based ink for aluminum plate has special performance requirements for ink itself. The ink is fine and smooth, and has good off-screen performance! This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in high-end decoration of screen printing process for various nameplates, signs, aluminum alloy and iron plate metal products.





【 Application Suggestion 】

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T

Construction method: Screen printing, roller coating and spray

Operating environment (humidity/temperature): 55-65%/23-35℃

Drying conditions: 160-180℃/8-10min

Curing agent: 855#-5%

Common pigment color: Common colors available (other colors custom)

Thickness of wet film: 10-30(um)

Fineness: 5-55(um)

Diluent: 922#

Shelf life: 12 months at room temperature

Water Based Ink For ABS

[Basic Information]

Water based ink for ABS has special performance requirements for ink itself. The ink is fine and smooth, and has good off-screen performance! This product is a green product! Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. Widely used in refrigerators, freezers, range hoods, stoves, ovens, microwave ovens, disinfection cabinets and other household plastics, such as ABS, PS, acrylic substrates and other screen printing fields.



[Application Suggestion]

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Common pigment color:** Common colors available (other colors custom)
Construction method: Screen printing	**Thickness of wet film:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: Air drying	**Diluent:** 922#
Curing agent: 855#-5%	**Shelf life:** 12 months at room temperature

Water Based Ink For PC Membrane Switch

[Basic Information]

The processing of water based ink for PC membrane switch has special performance requirements for PC material itself. The ink is fine and smooth, and has good off-screen performance! This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.Widely used in membrane switch, sports helmets, instrument panels, PC panels and other high-end screen printing processes!



[Application Suggestion]

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Common pigment color:** Common colors available (other colors custom)
Construction method: Screen printing	**Thickness of wet film:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: 80℃/15-25min	**Diluent:** 955#
Curing agent: 855#-5%	**Shelf life:** 12 months at room temperature

Water Based Ink For Acrylic

[Basic Information]

Water based ink for acrylic has special performance requirements for acrylic itself. The ink is fine and smooth, and has good off-screen performance! Good adhesion and excellent hiding power! This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. Widely used in lighting panels, home appliances panels, advertising signs, instructions.Screen printing processing technology in various fields such as cards.



[Application Suggestion]

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Common pigment color:** Common colors available (other colors custom)
Construction method: Screen printing, roller coating,spray	**Thickness of wet film:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: 60℃/half an hour	**Diluent:** 922#
Curing agent: 855#-5%	**Shelf life:** 12 months at room temperature

Water Based Ink For PVC

[Basic Information]

Water based ink for PVC has special performance requirements for materials. The ink is fine and smooth, and has good off-screen performance! This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in household appliances, crafts printing, leather, paper and other screen printing fields.



[Application Suggestion]

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Common pigment color:** Common colors available (other colors custom)
Construction method: Screen printing, roller coating,spray	**Thickness of wet film:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: Air drying	**Diluent:** 922#
Curing agent: 855#-5%	**Shelf life:** 12 months at room temperature

Water Based Screen Printing Glue

【 Basic Information 】

Water based screen printing glue has special performance requirements for ink itself, the ink is fine and smooth,and has good off-screen performance!This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster!Commonly used color is milky white.Widely used in glass panels, plastic panels and other joint positioning processing.Same as the 3M model 7533.



【 Application Suggestion 】

Screen printing: It is recommended to use 120-200 mesh/squeegee hardness 60-85T	**Common pigment color:** Common colors available (other colors custom)
Construction method: Screen printing	**Thickness of wet film:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: 60℃/10min	**Diluent:** Water
Curing agent: 855#-5%	**Shelf life:** 12 months at room temperature

Water Based Thermal Transfer Printing Ink

【 Basic Information 】

Water based thermal transfer printing ink has special performance requirements for PET thermal transfer film. The ink is fine and smooth, and has good off-screen performance! This product is a green product!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. Widely used in thermal transfer film printing.



【 Application Suggestion 】

Screen printing: It is recommended to use 150-350 mesh/squeegee hardness 60-85T	**Common pigment color:** Common colors available (other colors custom)
Construction method: Screen printing	**Thickness of wet film:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: 80℃-10min or air drying	**Diluent:** 955#
Shelf life: 12 months at room temperature	

Water Based Ink For Nylon

【 Basic Information 】

Water Based Ink For Nylon has special performance requirements. The ink is fine and smooth, and has good off-screen performance! This product is a green product! Water-based formula is lower in odour and more environmentally friendly! Good adhesion! Excellent stretching. Washable and wear-resistant. Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches. Good softness and excellent adhesion! Widely used in leather, waterproof nylon cloth, umbrella and clothing products.



【 Application Suggestion 】

Screen printing: It is recommended to use 120-200 mesh/squeegee hardness 60-85T	**Common pigment color:** Common colors available (other colors custom)
Construction method: Screen printing, roller coating and spray	**Thickness of wet film:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: Air drying for 24 hours	**Diluent:** 922#
Shelf life: 12 months at room temperature	**Additive:** 298S(2%)

Water Based Low Temperature Glass Pearlescent Paint

【 Basic Information 】

Water based low temperature glass pearlescent paint has special performance requirements for the substrate, and this product belongs to green products!Water-based formula is lower in odour and more environmentally friendly! Our products have obtained the certificate of international air and sea transportation! Transportation is more convenient and faster! In addition to meeting the basic selection of black and white, red, yellow, blue and green colors, we can also modulate special colors according to customers' specific color swatches and all PANTONE color swatches and RAL color swatches.In special application fields, it also has high mechanical impact resistance and thermal impact resistance. Widely used in building glass, wardrobe, cupboard glass, cosmetic bottles, wine bottles and other container processing technology!



【 Application Suggestion 】

Common pigment color: Common colors available (other colors custom)	
Construction method: Spray	**Thickness of wet film:** 10-30(um)
Operating environment (humidity/temperature): 55-65%/23-35℃	**Fineness:** 5-55(um)
Drying conditions: 160-180℃/8-10min	**Diluent:** Pure water
Curing agent: 855#-5%	**Shelf life:** 12 months at room temperature

Acid and alkali resistance (if required):

Acid resistance : At room temperature, there are no obvious traces on the surface after soaking in 3-5% hydrochloric acid solution for 10-15min.

Alkali resistance: At room temperature, there are no obvious traces on the surface after soaking in 5% sodium hydroxide solution for 10-15min.