

PEFTE Industry Coatings

1. Automobile Coating	2
1.1 Vehicle body electrophoretic coating.....	3
1.2 Primer-topcoat in one electrophoretic coating.....	3
1.3 Automobile parts electrophoretic coating.....	4
1.4 Solvent type vehicle body finishing paint	4
1.5 Water-based vehicle body finishing paint.....	5
1.6 Automobile internal and external ornaments paint.....	5
1.7 Wheel hub coating	6
2. Agricultural machine coating	6
2.1 Grey machine body electrophoretic coating.....	6
2.2 Primer-topcoat in one electrophoretic coating.....	7
3. Light industry coating.....	7
3.1 Common light industry electrophoretic coating	7
3.2 Colorful light industry electrophoretic coating	8
3.3 Plumbing equipments white electrophoretic coating	8
4. Motorcycle coating	9
4.1 Common vehicle frame electrophoretic coating.....	9
4.2 High weather resistance vehicle frame electrophoretic coating.....	9
5. Ceramics coating	10
5.1 Cooker ceramics coating.....	10
5.2 Home appliance ceramics coating.....	11
5.3 Curtain wall ceramics coating	11
6. Construction machinery coating.....	12
7. Railway locomotive coating	13
8. Industrial corrosion resistance coating.....	13
9. Bus and mini bus coating.....	14
10. Color plate coating	15
10.1 Polyester system	15
10.2 Acrylic system	16
10.3 PVDF fluorocarbon coating.....	16
10.4 Epoxy system	17
10.5 Water-based system	17



Introduction

Shanghai Pefte Chemical Technology Co. Ltd. is located in Shanghai, registered in China (Shanghai) Pilot Free Trade Zone (FTZ), which is a specialized and comprehensive company in chemical raw material and products export, chemical technology development, Chemical project designing and consulting, logistics and etc.

Pefte is lead by Shanghai SAWEI Investment & Development Co., Ltd which is engaged in industrial technology and equipment supply, industrial investment consulting, chemical engineering technology and products and etc. With the concept of win-win cooperation, innovative development, and working with well-known domestic universities and chemical research institutes, we have continuously cultivated and introduced high-tech talents and created a high-level, and high-efficiency elite team.

Our coating products, including substrate pretreatment reagents, cathodic electrophoretic coatings, waterborne and solventborne automotive topcoats, automotive low temperature coatings, automotive interior and exterior trim coatings, waterborne and solvent based engineering machinery coatings, waterborne and solvent. Anti-corrosion coatings and water-based ceramic coatings are designed to provide customers with professional coating solutions.

1. Automobile Coating

We have been devoted to the development, production and sale of automobile coating, and has successfully and independently developed the two-component cathode electrophoretic coating in the late 1990s, which has broken the monopolization of the international coating brand. In recent years, through scientific research innovation and technical cooperation, Kinlita has constantly improved the product quality, standardized the production quality, standardized the production process and expanded the sales channels, and improved the competitive force of the products in the market. The products have completely covered the automobile OEM coating, and have broken the traditional concept of "special for automobile", and are widely applied for fields such as automobile parts, agricultural machinery, motorcycle, light industry electrophoresis and construction machinery, and the products have earned high praise from clients due to the eco-friendly, economic and outstanding performance.

Product Features

Meet the demands of automobile manufacturers with good performance; the products boast rich varieties, outstanding performance with good construction performance and eco-friendly nature.

1.1 Vehicle body electrophoretic coating

As the new type cation electrophoretic coating basing on epoxy resin, isocyanate cross-linking agent, toughening resin with pigment and filling, the product features good throwing power, electrodeposition construction performance and excellent corrosion resistance. the product is eco-friendly, low content of solvent, without heavy metals such as lead and chrome; wide construction window, intermediate coating-free use with finishing paint, and is applicable for various automobile bases.

Applicable Fields

Applicable for passenger vehicle, commercial vehicle, farm vehicle and other type of vehicle body as the electrophoretic coating, and is capable of meeting the special demands of clients in low temperature baking, intermediate coating-free use and so on.



1.2 Primer-topcoat in one electrophoretic coating

As the epoxy and acrylic compound coating after once electrophoresis, the product features high

corrosion resistance and high weather resistance.

Applicable Fields

Applicable for passenger vehicle, commercial vehicle, farm vehicle frame electrophoretic coating, meeting the demands of coating film in corrosion resistance and weather resistance.



1.3 Automobile parts electrophoretic coating

Automobile parts electrophoretic coating is the new type cation electrophoretic coating basing on epoxy resin, isocyanate cross-linking agent and toughening resin with pigment and filling, features good throwing power, flexibility, electrodeposit construction performance and excellent corrosion resistance. the product is eco-friendly, low content of solvent, without heavy metals such as lead and chrome; wide construction window, intermediate coating-free use with finishing paint, and is applicable for various electrophoretic bases, achieve requirements on glossy, intermediate glossy and matt appearance according to the demands.

Applicable Fields

The product is applicable for different automobile parts and accessories, and is capable of meeting the demands of clients in low temperature baking, appearance, flexibility.



1.4 Solvent type vehicle body finishing paint

Solvent type metallic paint (use with finishing varnish) features rich colors, high fullness, intensive metallics, excellent weather resistance and construction property.

Applicable Fields

Applicable for passenger vehicle and commercial vehicle body as the solvent type finishing paint.



1.5 Water-based vehicle body finishing paint

Water-based vehicle body finishing paint features low VOC emission, eco-friendly, with excellent decoration effect, wide construction applicability and outstanding coating film performance.

Applicable Fields

Applicable for passenger vehicle and commercial vehicle body as the water-based finishing paint.



1.6 Automobile internal and external ornaments paint

Low temperature primer mainly includes PP primer and grey primer, and features fast drying, wide construction scope and excellent adhesion with the base, and is capable of using with finishing paint, and is applicable for coating automobile internal and external plastic parts.

Low temperature finishing varnish features two-component polyurethane low temperature varnish, fast drying, high hardness, excellent appearance and high weather resistance, and is widely applied for plastic parts surface finishing and automobile repairing.

Applicable Fields

Applicable for automobile internal and external ornaments of different bases as the finishing paint.



1.7 Wheel hub coating

Wheel hub coating is capable of meeting single coating or double coating demands with excellent stone-chip resistance, weather resistance and salt spray resistance.

Applicable Fields

Applicable for steel wheel hub and aluminum wheel hub as the solvent type finishing paint.



2. Agricultural machine coating

Agricultural machine coating is produced for farm equipment, agricultural machinery, and is mainly applied for coating agricultural machinery such as tractor, corn harvester, harvester, comminator, seeding machine, farm tricycle, rice transplanter and so on.

Product Features

The product features excellent corrosion resistance, and can meet the client's demand on once spraying, and features splendid appearance and high weather resistance.

2.1 Grey machine body electrophoretic coating

Grey machine body electrophoretic coating is the new type cation electrophoretic coating basing on epoxy resin, isocyanate cross-linking agent and toughening resin with pigment and filling, features good throwing power, electrodeposit construction performance and excellent corrosion resistance. The product is eco-friendly, low content of solvent, without heavy metals such as lead and chrome; wide construction window, and is suitable for intermediate coating-free use with finishing paint, and applicable for various machine body bases.

Applicable Fields

Applicable for the body of agricultural machinery.



2.2 Primer-topcoat in one electrophoretic coating

The epoxy and acrylic compound coating is produced after once electrophoresis as the electrophoretic coating with high corrosion resistance and high weather resistance. The coating film has excellent appearance, and doesn't need to use finishing paint coating.

Applicable Fields

Applicable for coating the body of agricultural machinery, and the coating film features high corrosion resistance and weather resistance with diversified colors.



3. Light industry coating

Light industry coating is the second coating field of PEFTE, and is applicable for the metal and plastic parts of light industrial products with corrosion resistance and decoration property. It has diversified varieties and wide application range, and is capable of meeting different demands of clients.

Product Features

Green and eco-friendly, high decoration property, high cost performance.

3.1 Common light industry electrophoretic coating

The product is widely applied for coating light industrial products metal parts with good throwing power, electrodeposition construction performance and excellent corrosion resistance. It has different products with different properties, and is applicable for various metal bases and pre-processing, and

is capable of meeting the demands of clients in baking temperature, flexibility and film coagulating speed. It can also achieve requirements on glossy, intermediate glossy and matt appearance according to the demands.

Applicable Fields

Applicable for light industry metal parts, capable of meeting the demands of clients in baking temperature, appearance, flexibility, film coagulating speed and so on.



3.2 Colorful light industry electrophoretic coating

The product features high decorative property with diversified functions and colors. The coating film features excellent appearance, diversified colors, and is customized according to the demands; and corrosion resistance and weather resistance; the product is green and eco-friendly.

Applicable Fields

Applicable for coating metal parts of light industry, and capable of meeting client's demands in color and primer-topcoat in one and so on.



3.3 Plumbing equipments white electrophoretic coating

Offwhite product is the home appliance white electrophoretic coating with excellent anti-yellowing performance, low baking odor, excellent powder applicability, and is applicable for diversified metal bases with high pre-processing applicability. The product is energy saving and eco-friendly.

Applicable Fields

Applicable for home appliance such as oil heater and plumbing equipments which is used with powder.



4. Motorcycle coating

The product is specially used for coating 2-wheel and 3-wheel motorcycle and electric motorcar.

Product Features

The product features excellent corrosion resistance and appearance with high corrosion resistance and weather resistance according to the requirements of clients.

4.1 Common vehicle frame electrophoretic coating

The product features good throwing power, electrodeposition construction performance and excellent corrosion resistance. It is eco-friendly, low content of solvent, without heavy metals such as lead and chrome; the product has wide construction window, and is widely applied for frame electrophoretic coating.

Applicable Fields

Applicable for coating common tricycle and motorcycle frame.



4.2 High weather resistance vehicle frame electrophoretic coating

The product is the high grade electrophoretic coating with once electrophoresis and features high corrosion resistance and extremely high weather resistance. It features excellent coating film appearance, and is capable of meeting the demands in high appearance and high weather resistance as well as corrosion resistance.

Applicable Fields

Applicable for motorcycle frame with extremely high weather resistance as the primer-topcoat in one coating.



5.Ceramics coating

Ceramics coating is a kind of new type inorganic nanometer water-based coating adopting aerospace industrial technology, and features high temperature resistance, incombustibility, super strong weather resistance, easy to clean and high hardness without traditional organic solvent, it is green and eco-friendly and energy saving with high performance.

In recent years, ceramics coating has achieved a fast development and has been successfully applied for building curtain wall, non-stick cookers, temperature resistance home appliance and so on with a wide market prospect. For example, ceramics coating film contains inorganic ingredients and features fireproof flame retarded, high hardness and high scratch resistance, Additionally, it also boasts good fastness to staining and easy clean as the ideal material for building curtain wall, and has been gradually recognized by the rail traffic industry, Currently, it is mainly applied for the indoor fireproof aluminum sheet decoration for metro station and express railway station, and the internal ornament of metro carriage. In the field of non-stick cooker, ceramics coating film, compared with traditional “teflon” coating, is green and eco-friendly, and doesn’ t cause toxic and harmful substances under high temperature with excellent wear resistant property, therefore, the non-stick ceramics coating has earned high popularity from users.

Product Features

High temperature resistance, high weather resistance, fireproof and incombustibility, high hardness, wear resistance, scratch resistance, easy to clean, water-based and eco-friendly.

5.1 Cooker ceramics coating

The non-stick ceramics coating is a kind of new type water-based inorganic nanometer coating by adopting sol-gel technology without the defects of traditional fluorine coating which has low temperature resistance, harmful substances under high temperature, low hardness and low wear resistance, the product features high thermal stability, high hardness wear resistance and scratch resistance without releasing any harmful substance. The nanometer fine granule film has high

coagulating, non-stick property and wide application as the new type ceramics coating.

Applicable Fields

Applicable for coating the internal and external surface of non-stick cooker and other cookers with non-stick requirement.



5.2 Home appliance ceramics coating

As the derivative product of ceramics coating, the product features good thermal shock resistance, corrosion resistance and certain self-cleaning performance without smoke when using under high temperature, in the industrial field, it is mainly used as the substitute of fluorine coating or organic silicone coating for heating and heated parts surface such as lamp, furnace and kitchen appliances and so on.

Applicable Fields

Applicable for surface of various gas furnaces, such as home appliances which requires temperature resistant property including furnace end, furnace cover, panel, valve and baking oven as the high temperature resistant coating.



5.3 Curtain wall ceramics coating

The aluminum plate ceramics coating, as a kind of new type coating, compared with the traditional polyester and fluorocarbon coating, features green and eco-friendly, fireproof and flame retarded, high hardness, scratch resistance, scrub resistance and so on, additionally, comparing with the traditional ceramics with processes such as sintering and porcelain enamel making, the ceramics coating can glaze under low temperature, save the energy and greatly increase the qualification rate of the finished product. In the building field, as the key fireproof coating for aluminum sheet, currently, the product has been widely applied in several domestic metro platforms, express railway

stations, building curtain wall and other decoration projects. Moreover, as the leading role in the industry, We take charge of drafting the "Ceramics Coating" of the national standard "Aluminum Sheet for Building Decoration" published in 2009.

Applicable Fields

1. Indoor (outdoor) fireproof aluminum sheet decoration for rail traffic field and public facilities.
2. High grade building indoor (outdoor) aluminum sheet decoration.
3. Internal decoration of train carriage in the rail traffic field.



6. Construction machinery coating

The necessary machinery in the comprehensive mechanical constructions such as earthwork, rock excavation, concrete engineering and various building installation engineering is named as the construction machinery, and the coating for above machinery is named as construction machinery coating. The coating for construction machinery is mostly primer + finishing paint, the major function of primer is resisting rust, and the major function of finishing paint is decoration and alarming.

Product Features

The product has low solvent content, the primer product is free of heavy metals such as lead and chrome primer green and eco-friendly; high corrosion resistance, high mechanical property, easy sanding, and easy construction, with excellent protection for the base material of construction machinery; intermediate coating product features fast dry, excellent construction performance, easy sanding and can improve the gloss and fullness of the high finishing paint; finishing paint features high decorative property and weather resistance as the two-component acrylic polyurethane paint, and features bright and full appearance with excellent gloss and color protecting functions;

Additionally, We and Fudan University are jointly developing the water-based construction machinery coating, which will launch into the market in the near future.

Applicable Fields

Applicable for excavator, loading machine, grader, bulldozer, road roller, crane, forklift, concrete pump truck, concrete mixer truck, pump truck and so on.



7. Railway locomotive coating

The product is special for the train, the train has very high requirements on the coating since it works in the complicated and unstable environment. Our train coating with primer, intermediate coating and finishing paint feature very outstanding corrosion resistance, temperature resistance, chemical resistance and weather resistance.

Product Features

The product features fast dry, excellent rust resistance, allow constructing with thick film and so on.



8. Industrial corrosion resistance coating

The industrial corrosion resistant coating can be used not only for universal production equipments, agricultural machinery, transportation equipments, universal steel structure, instruments, office equipments, outdoor advertisement, pump industry, engineering trucks, guardrail and fence, hardware, steel doors and windows which don't have high requirement on corrosion resistance, but also for the rivers, coast steel structure and concrete structure, port machinery, airport facilities, bridge, external wall of storage tank, energy and chemicals, workshop equipments, power equipments, communication equipments, railway station and stadium as well as the industries which requires high corrosion resistance.

Product Features

Green and eco-friendly --- low solvent content, primer without heavy metals such as lead and chrome, finishing paint is free of lead;

Saving energy and dropping emission --- low temperature curing, room temperature self-dry, high coating rate; adapting different construction and working environments, adapting diversified construction mode, fast dry, thick coating property;

Coating film performance --- primer --- excellent adhesive force and corrosion resistance, meeting the requirements of corrosion resistance, outstanding wear resistant property, high medium resistance;

Intermediate coating --- high construction performance, easy sanding, good applicability, improving the overall protective performance of the coating;

Finishing paint --- diversified colors, excellent decoration property, high adhesive force and weather resistance, meeting the demands of weather resistance, excellent chemical resistance.

Applicable Fields

Applicable for special vehicles, heavy truck vehicle body, parts and accessories as the corrosion resistant coating.

Applicable for port machinery, offshore platform, container and so on steel structure and facilities as the corrosion resistance coating.

Applicable for chemical plant, oil refinery, power plant, bridge which requires high corrosion resistance as the corrosion resistance coating.

Applicable for various steel structures and steel buildings as the corrosion resistance coating.

Applicable for various concrete structures as the corrosion resistance coating.



9. Bus and mini bus coating

The low temperature two-component self-dry system bus and mini bus coating is the ideal selection for coating bus and mini bus.

Product Features

The primer features good corrosion resistance and mechanical property, for diversified base materials of bus and mini bus such as glass reinforced plastic, galvanized steel sheet, electrogalvanized metal sheet, aluminum, it boasts excellent adhesive force and corrosion resistance;

The intermediate coating has high covering property, easy sanding and excellent flatness, and can improve the gloss and fullness of high finishing paint;

The finishing paint, including two-component polyurethane true color paint and metallic paint, the two-component polyurethane true color paint features bright and smooth appearance, excellent

distinctness with the functions of protecting gloss and color; the flashing paint features excellent construction property, aluminum powder collocation property, intensive metallics, and excellent distinctness, high gloss and fullness after using varnish finishing.

Applicable Fields

Applicable for the bottom and surface of bus and minibus.



10. Color plate coating

Color plate coating is the effective, eco-friendly, energy saving, healthy and comfortable new type coating, and features convenient construction, it is made on the processed metal (nonmetal) sheet after applying one or several layers of organic coating and then baking and curing, it features rich colors, high durability, light weight, beautiful appearance and excellent processing property. The product is applicable for building materials, curtain wall, photovoltaic, home decoration as the coating with special functions. It has excellent processing property, and can be directly installed with low cost and convenient construction, therefore, it has become the necessary product in the modern life.

Product Features

Green and eco-friendly, high weather resistance, with self-cleaning function.

10.1 Polyester system

The polyester resin features good color development effect, the coating film features full color, high processing property, high adhesive force, customized weather resistance, cost performance and comprehensive performance.

Applicable Fields

Integrated ceiling, building curtain wall, aluminum composite panel, photovoltaic backboard and so on.



10.2 Acrylic system

Acrylic resin is the organic coating made of amino or closing isocyanate, and functional pigment and filling after baking, it is used according to the actual demands with different varieties.

Applicable Fields

Window shade, white board, combined cupboard, roof aluminum foil, medical aluminum foil and so on.



10.3 PVDF fluorocarbon coating

Fluorocarbon PVDF adopts electronegative fluorine with strong fluorocarbon bone, and features excellent properties: weather resistance, heat resistance, low temperature resistance, chemical resistance, unique non-stick property and low rub resistance. It completely meets the USA building material standard AAMA2605 and national standard HG/T3793-2005.

Applicable Fields

High grade building external wall aluminum sheet, workshop in coastal area and area with bad climate.

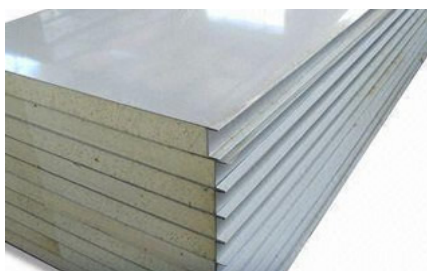


10.4 Epoxy system

The product is made of macromolecule epoxy (modified epoxy) and closing isocyanate or amino resin, combining corrosion resistance pigment filling and volatile solvent after baking, and features adhesive force good film coating, high corrosion resistance, high adhesive quality.

Applicable Fields

Back side of foaming sandwich board, it reaches good salt spray resistance with epoxy primer and finishing paint, therefore, it is widely applied in the areas with moist environment and serious atmospheric pollution.



10.5 Water-based system

The product is made of water-based resin with water-based auxiliary, eco-friendly pigment and filling by adopting conventional technique, the product is free of formaldehyde, benzene series compounds, TDI and other harmful substances, meets the European standard (ROHS) and can be used for substituting traditional solvent type coating, and features eco-friendly, safe, noncombustible, non-explosive and so on, It is constructed with deionized water or clean water with electric conductivity <200, therefore, it can save resources without the danger of fire during construction, the equipment can be cleaned with water, thus dropping the pollution to the environment.

Applicable Fields

Integrated ceiling indoor decoration, aluminum composite panel and so on.





SHANGHAI PEFTE
CHEMICAL TECHNOLOGY CO. LTD.

11. Contact details

SHANGHAI PEFTE CHEMICAL TECHNOLOGY CO., Ltd

Address: Room368, Part 302, No.211, Fute North Road, China (Shanghai) Pilot Free Trade Zone.

Tel: 8621-60554290

Mobile: 86 18702175843

Email: pefte@thparty.com ; gaojicai@yahoo.com