

Nanjing Daqiao Coatings

Scenario-based

Product Manual

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1. Steel Structure Engineering Coating

Application Scenarios: Long-term anti-corrosion protection system for outdoor facilities such as bridges, factory building steel structures, iron towers, grid structures, port facilities, municipal steel structures, steel beams, steel box girders, etc. We provide a complete coating system from primer to topcoat, adapting to the protection requirements of different corrosive environments.

Product Type	Core Features	Available Colors/Specifications	Application Scenarios
Iron Oxide Red Alkyd Anti-rust Coating	Formulated with alkyd resin, iron oxide red and anti-rust pigments, one-component air-drying type, strong adhesion, fast drying speed, easy construction, excellent anti-rust performance, outstanding cost performance	Iron Oxide Red	Anti-rust primer for steel structures in normal atmospheric environment, compatible with various alkyd topcoats
Special Grey Mica Iron Oxide Alkyd Topcoat	Using mica iron oxide as anti-rust pigment, the flaky pigments form a layered shielding barrier, with strong shielding performance, excellent weather resistance, UV resistance, non-chalking,	Special Grey	Protective topcoat for outdoor steel structures, storage tanks and pipelines, adapting to humid and hot, industrial corrosive environments, specially designed for outdoor steel structures such as

	effectively blocking the penetration of water vapor and corrosive media, resistant to humidity and heat, and industrial atmospheric corrosion		bridges and steel beams
Special Grey Aluminum Graphite Alkyd Topcoat	Aluminum powder and graphite provide synergistic protection, flaky aluminum powder and graphite can effectively reflect ultraviolet rays and heat radiation, with outstanding weather resistance and water resistance, weather resistance and chalking resistance, excellent heat resistance, can withstand environments below 120°C for a long time	Special Grey	Outdoor steel structures with strong sunlight, such as the long-term protection of the surface of railway bridges and highway steel bridges, can resist temperature difference impact and aging
Epoxy Iron Oxide Red Anti-rust Primer (Kit)	Two-component epoxy resin anti-rust primer, dense paint film, extremely strong adhesion, water resistance, alkali resistance, chemical resistance,	Iron Oxide Red	Anti-corrosion primer for steel structures in medium corrosive environments, compatible with epoxy coating systems, used as general anti-rust base layer for

	excellent chemical corrosion resistance		steel structures
Epoxy Mica Intermediate Coating (Kit)	Contains mica iron oxide scales, flaky shielding structure, blocks water, oxygen, acid and alkali media, thickens the coating, seals the pores of the primer, connects the preceding and the following to improve the anti-corrosion life of the overall coating, with excellent interlayer adhesion	Mica Iron Grey	Intermediate layer of heavy-duty anti-corrosion coating system, compatible with zinc-rich primer and various topcoats, used between zinc-rich primer and topcoat, greatly extending the overall anti-corrosion life
Epoxy Zinc-rich Primer (Kit)	Contains high content zinc powder, dual functions of cathodic protection + physical shielding, with electrochemical cathodic protection function, salt spray resistance, chemical atmosphere resistance, water resistance, extremely strong anti-rust and durability	Zinc Grey	Long-term anti-corrosion primer for harsh corrosive environments such as marine facilities, chemical plants, and large bridges, the first choice primer for heavy-duty anti-corrosion steel structures

<p>Epoxy Topcoat (Kit)</p>	<p>Two-component epoxy system, hard and full paint film, acid and alkali resistance, water resistance, oil stain resistance, excellent mechanical properties, high hardness and wear resistance</p>	<p>Dark Grey, Medium Grey, White, Medium Yellow, Bright Red, RAL-1013 and other colors available</p>	<p>Anti-corrosion decorative topcoat for indoor steel structures and equipment, not suitable for outdoor exposure environment</p>
<p>Aliphatic Acrylic Polyurethane Enamel (Kit)</p>	<p>Aliphatic structure, ultra-high weather resistance, weather resistance and color retention, no yellowing, UV resistance, scrub resistance, gloss and color retention can reach more than 10 years, acid and alkali resistance, salt spray resistance, tough and wear-resistant paint film</p>	<p>RAL-7035, RAL-6015 Matte, Black and other colors available</p>	<p>Long-term decorative protective topcoat for high-end outdoor steel structures, adapting to scenes with high requirements for appearance and life such as bridges and venues</p>

2. Machinery & Equipment Coating

Application Scenarios: Machine tools, equipment shells, engineering machinery, fans, pumps and valves, agricultural machinery, textile machinery, instruments and meters, etc. We provide high-hardness, high-decoration coating solutions, adapting to the wear resistance and anti-corrosion requirements of workshop working conditions.

Product Type	Core Features	Available Colors/Specifications	Application Scenarios
Glossy Acrylic Polyurethane Enamel (Kit)	Two-component high-performance topcoat, full and bright paint film, high hardness, wear resistance and scratch resistance, excellent gloss and color retention, outstanding weather resistance and anti-corrosion performance, oil stain resistance, strong decoration	Porcelain White, Dark Grey, Medium Yellow, Bright Red, Sea Grey, RAL-6011, RAL-9003, RAL-1013 and other full color series available	High-grade decorative protective topcoat for various machine tools, mechanical equipment and industrial equipment, universal for indoor and outdoor use, the mainstream topcoat for mechanical equipment
Semi-gloss/Matte Acrylic Polyurethane Enamel (Kit)	Soft gloss, non-reflective and non-glare, weather resistant, easy to clean, meets the visual requirements of precision	Sea Grey Semi-gloss, RAL-9003 Semi-gloss, RAL-1013 Semi-gloss and other colors available	Appearance coating for machine tools and precision equipment, adapting to scenes with requirements for

	equipment, the rest of the performance is consistent with the glossy version		visual effects
Acrylic Polyurethane Clear Coating (Kit)	Glazing and brightening, improving fullness, enhancing weather resistance, transparent clear coat, improving the gloss of topcoat, scratch resistance, scrub resistance, protecting the color paint layer	Transparent	Used with acrylic polyurethane color paint to improve decoration and protection, used for surface protection of equipment topcoat
Alkyd Enamel / Alkyd Semi-gloss Enamel	One-component air-drying type, convenient construction, good leveling property, economic cost, bright color, strong adhesion, with good outdoor weather resistance	White, Black, Silver Powder, Iron Yellow, Medium Yellow, Iron Red, Semi-gloss White, Bright Green, RAL-5015, RAL-6026, Dark Grey, Light Yellow and other colors available, also has black high-build type	Decorative protection for ordinary mechanical equipment, steel structures, iron art facilities, adapting to general coating scenarios sensitive to cost, used for indoor ordinary equipment and light corrosion environment

3. Industrial Anti-Corrosion Coating

Application Scenarios: Chemical equipment, storage tanks, pipelines, port terminals, buried pipelines, sewage facilities, heavy corrosion industrial environments, ship hulls, decks, marine engineering, offshore steel structures, salt spray environments. We provide long-term anti-corrosion coating solutions to resist the erosion of harsh environments such as acid and alkali, salt spray, and humidity.

Product Type	Core Features	Available Colors/Specifications	Application Scenarios
Iron Oxide Red Alkyd Anti-rust Coating	One-component economic anti-rust primer, fast drying, convenient construction, strong adhesion, high cost performance	Iron Oxide Red	Primer for metal substrates in mild corrosion environments, suitable for steel structures in mild corrosion environments
Epoxy Iron Oxide Red Anti-rust Primer (Kit)	Two-component epoxy primer, dense paint film, water and chemical corrosion resistance, excellent shielding performance	Iron Oxide Red	Anti-corrosion primer for medium corrosion environments
Eco-friendly Water-based Epoxy Iron Oxide Red Anti-rust Primer (Kit)	Water-based system, low VOC, low odor, environmental protection and safety, non-	Iron Oxide Red	Anti-corrosion projects with high environmental requirements, indoor, confined space, anti-

	<p>flammable and non-explosive, can be constructed by diluting with water, excellent anti-rust and anti-corrosion performance, water and salt spray resistance, anti-corrosion performance is equivalent to solvent-based</p>		<p>corrosion engineering with high environmental requirements, can be used as anti-corrosion primer for both indoor and outdoor</p>
<p>Epoxy Mica Intermediate Coating (Kit)</p>	<p>Shielding intermediate layer, blocking the penetration of corrosive media, improving the overall coating life</p>	<p>Mica Iron Grey</p>	<p>Intermediate transition layer of heavy-duty anti-corrosion system, thickening the protection barrier</p>
<p>Epoxy Zinc-rich Primer (Kit)</p>	<p>Cathodic protection type heavy-duty anti-corrosion primer, salt spray resistance, marine atmosphere resistance, long-term anti-rust</p>	<p>Zinc Grey</p>	<p>Long-term anti-corrosion primer for harsh corrosive environments, adapting to working conditions such as chemical industry, ocean, power plant</p>

4. General Industrial & Decorative Coating

Application Scenarios: Civil buildings, railings, doors and windows, pipelines, metal components, furniture, general protection and decoration. We provide cost-effective, easy-to-construct civil and general industrial coating products to meet the needs of daily decoration and simple protection.

Product Type	Core Features	Available Colors/Specifications	Application Scenarios
Alkyd Ready-mixed Coating	One-component air-drying type, simple construction, good hiding power, rich colors, high cost performance, full and bright paint film, strong adhesion, natural drying at room temperature	Bright Red, White, Medium Grey, Black, Medium Yellow, Medium Green, Light Grey, Dark Grey, Orange Red, Peacock Blue, Orange Yellow, Dark Blue, Silver Grey, RAL-2011, RAL-2010 and other full color series available	Indoor and outdoor civil and general industrial coating, such as doors and windows, furniture, ordinary railings, wall decoration, basic protection and decoration of simple steel structures, adapting to scenes with low anti-corrosion requirements, suitable for civil, ordinary metal/wood surface coating
Alkyd Clear Coating	Transparent clear coat, brightening decoration, protecting the substrate, easy construction, used	Transparent	Transparent protection for wood and metal surfaces, improving appearance

	for wood glazing and metal glazing, improving gloss and basic protection performance		texture
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5. Automotive & Vehicle Coating

Application Scenarios: Appearance coating of engineering vehicles, sanitation vehicles, special vehicles, carriages, passenger cars, rail transit vehicles. We provide weather-resistant, wear-resistant special coatings adapted to vehicle working conditions to meet the protection requirements of outdoor operations.

Product Type	Core Features	Available Colors/Specifications	Application Scenarios
G06 Olive Green Semi-gloss Acrylic Polyurethane Enamel (Kit)	Special standard color for engineering vehicles, two-component high-performance topcoat, high hardness, impact resistance, good weather resistance, strong adhesion, weather resistance and wear resistance, good color retention, adapting to the outdoor working conditions of vehicles	G06 Olive Green Semi-gloss	Decorative protective topcoat for engineering vehicles and special vehicles
Eco-friendly Water-based G06 Olive Green Series Topcoat (Kit)	Water-based environmental protection version, low VOC, low odor, performance close to oil-based paint, meeting	Olive Green (Semi-gloss/Gloss optional)	Coating for engineering vehicles and vehicles with high environmental requirements, meeting

	vehicle environmental protection coating standards, performance equivalent to solvent-based, meeting environmental protection coating requirements		environmental protection emission standards
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6. Industrial Repair & Aerosol Coating

Application Scenarios: On-site repair, small-area paint repair, equipment maintenance, renovation, small spraying, rapid repair operations. For the needs of small-area repair and on-site maintenance, we provide portable and fast repair coatings, which can be repaired without professional equipment.

Product Type	Core Features	Available Colors/Specifications	Application Scenarios
Industrial Aerosol Spray Paint	Ready to spray, fast drying, strong hiding power, convenient construction, portable can, no need for professional tools, ready to use, fast drying, strong adhesion, with basic anti-rust and weather resistance	White, Bright Red, Black, Silver, Medium Yellow, Medium Grey, Grey	Fast on-site repair of paint peeling and scratches on equipment, anti-rust decoration of small components, no need to disassemble and return to the factory, reducing maintenance costs, used for equipment paint repair, steel structure repair, renovation and color correction

7. Eco-friendly Waterborne Engineering Coating

Application Scenarios: Coating for environments with high environmental requirements, indoor, residential areas, poor ventilation, municipal engineering, vehicles, equipment. All-water-based environmental protection coating system, low VOC, pollution-free, non-flammable and non-explosive, meeting environmental protection policy requirements, while taking into account high-performance protection and decoration effects, adapting to the "Oil-to-Water" coating upgrade needs.

Product Type	Core Features	Available Colors/Specifications	Application Scenarios
Water-based Acrylic Polyurethane Topcoat (Kit)	Water-based two-component system, low VOC, low odor, environmental compliance, using water as diluent, environmental protection and safety, weather resistance, wear resistance, good adhesion, performance close to oil-based paint, performance benchmarking solvent-based acrylic polyurethane, weather resistance, anti-corrosion, high	G06 Olive Green, Y06 Light Yellow, B02 Medium Grey, B01 Dark Grey, B05 Sea Grey, RAL-1013, PB10 Sky Iron Blue, RAL-9003 and other full color series available, covering common engineering standard colors	Coating for engineering and equipment with high environmental requirements, universal for indoor and outdoor use, adapting to projects required by environmental protection policies

	decoration		
Water-based Acrylic Polyurethane Intermediate Coating (Kit)	Water-based intermediate layer, filling and leveling, improving the flatness and fullness of the topcoat, enhancing interlayer adhesion	Universal Grey	Intermediate transition layer of water-based coating system, improving the overall coating effect
Water-based Acrylic Polyurethane Clear Coating (Kit)	Water-based transparent clear coat, environmental protection and pollution-free, protecting the color paint layer, improving gloss and wear resistance	Transparent	Used with water-based color paint for environmental protection and decoration
Eco-friendly Water-based Epoxy Iron Oxide Red Anti-rust Primer (Kit)	Water-based epoxy primer, environmental protection and safety, stable anti-rust performance, fast drying, excellent anti-rust and anti-corrosion performance, water and salt spray resistance	Iron Oxide Red	Primer for water-based anti-corrosion system, adapting to environmental protection anti-corrosion projects, suitable for indoor steel structure and equipment primer
Water-based Primer-Topcoat Integrated Paint	VOC Innovative integrated paint, primer + topcoat integrated, one coating can realize the anti-	RAL-7012, RAL-9017, etc.	Quick coating, equipment renovation, protection of simple steel structures, saving construction cost

	<p>rust function of primer and the decoration function of topcoat at the same time, saving two processes, simplified construction, fast drying, high construction efficiency, environmental protection and low VOC</p>		<p>and time, suitable for light anti-corrosion quick coating</p>
<p>Water-based Coating Thinner</p>	<p>Water-based diluent, environmental protection and pollution-free, used to dilute water-based coatings, adjust construction viscosity, also can be used for tool cleaning</p>	<p>Water-based Diluent</p>	<p>Used with all water-based coatings</p>

8.Auxiliary Agents

Supporting additives for coatings of different systems, optimizing construction performance, ensuring coating effect, adapting to the coating construction needs of all scenarios.

Product Type	Core Function	Compatible Coatings
Alkyd Thinner X-6	Adjust coating viscosity, optimize construction performance, avoid sagging and pinholes	All alkyd coatings (alkyd anti-rust paint, alkyd enamel, alkyd ready-mixed paint, etc.)
Epoxy Thinner X-7	Adapt to epoxy system, adjust viscosity, ensure the curing and construction effect of two-component epoxy paint	All epoxy coatings (epoxy primer, epoxy intermediate coat, epoxy topcoat, etc.)
Polyurethane Thinner X-10	Adapt to polyurethane system, adjust viscosity, ensure the film-forming effect of acrylic polyurethane paint	All polyurethane coatings (acrylic polyurethane enamel, aliphatic polyurethane paint, etc.)