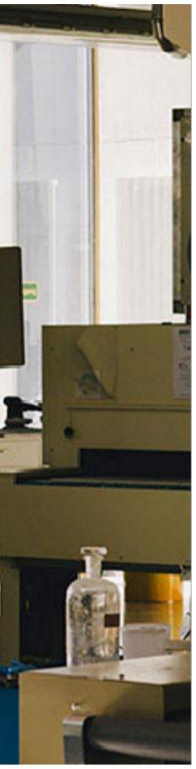
BAYD

Floor Paint

BAYD Company Overview and Mission

BAYD Chemical Company was founded in 2015 and is headquartered in Guangdong Province, China. Since its inception, the company has specialized in the production and research and development of high-quality coatings, with operations all over the world. The company's core mission is to create unlimited value for employees, society and investors through continuous innovation.



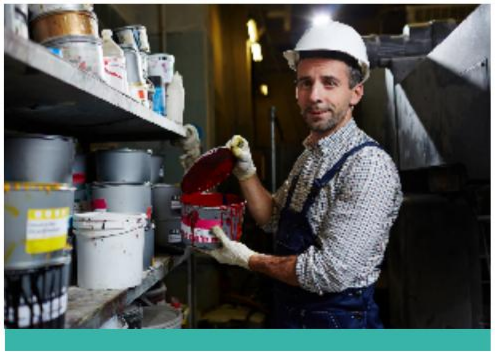
BAYD's Vision

BAYD Chemical Company pursues ultimate cost-effectiveness and high product quality, aiming to create unlimited value for employees, society, and investors.
With excellent products, excellent culture, excellent customer relationships, and excellent collaborative teams, we are committed to becoming a globally outstanding chemical company.

Why Choose us

Continuous innovation capability

-We always pay attention to the latest developments in the industry, actively innovate, and provide cutting-edge solutions.
-We encourage innovative thinking that can bring unique value to our customers.



Continuous cost-effectiveness

-Our service prices are reasonable and cost-effective.
-We can provide customers with long - term cost savings and value enhancement.

Professional abilities and experience

-We have profound professional knowledge and rich practical experience in related fields.
-Our team is composed of industry experts who can provide high-quality solutions.

BAYD | FLOORING MATERIALS

One-Stop Floor Paint

☑ Complete category ☑ Full range of floor Paint systems

One-Stop Service Whole Process

Raw materials → Finished products → Scheme design

From raw materials to finished products, the layout of the entire industry chain of flooring industry product types, covering more than 90% of the industry.

CATALOGUE

High solid content flat coating system

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Applications:

Machine shops, hardware factories, marinas, driveways, garages, industrial plants, car and aircraft repair shops.

Coating properties

- Pressure and shock resistance
- Resistant to general chemical corrosion
- Colour optional, beautiful appearance
- Good abrasion resistance and long service life

Technical Index

All tests (except drying time) were performed after 7 days of curing (25℃)

Pilot projects		unit	index
Dry time(25℃)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Pencil hardness		-	≥2H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.03
Adhesion (grid method)		level	1
Resistant to 3% salt water		7 days	No significant changes
Resistance to 10% sulfuric acid		7 days	No significant changes
Resistance to 20% sodium hydroxide		7 days	No significant changes

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Roller to apply epoxy primer	/	0.15kg/m²
Mortar layer	Scraping epoxy midcoat	Quartz sand	0.25-0.7kg/m²
Putty layer	Scraping putty layer	/	0.10kg/m²
Topcoat	Roller to apply epoxy topcoat	/	0.15-0.18kg/m²

After completion, the whole ground should be bright and clean, with uniform color and no hollows.

High wear-resistant flat coating system

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Applications:

Industrial plants,offices,warehouses,food factories, etc. wherere quire pressure resistance,seamless clean, dust-proof areas and old ground repair.

Coating properties

- Resistant to pressure, impact and general chemical corrosion
- Fast construction, environmental protection, seamless dustproof, easy to clean
- Various colours, beautiful and bright
- Good abrasion resistance, long service life

Technical Index

All tests (except drying time) were performed after 7 days of curing (25℃)

Pilot projects		unit	index
Dry time(25℃)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Pencil hardness		-	≥2H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.03
Adhesion (grid method)		level	1
Resistant to 3% salt water		7 days	No significant changes
Resistance to 10% sulfuric acid		7 days	No significant changes
Resistance to 20% sodium hydroxide		7 days	No significant changes

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Roller to apply epoxy primer	/	0.15kg/m²
Mortar layer	Scraping epoxy midcoat	Quartz sand	0.25-0.7kg/m²
Putty layer	Scraping putty layer	/	0.10kg/m²
Topcoat	Roller to apply epoxy topcoat	/	0.15-0.18kg/m²

After completion, the whole ground should be bright and clean, with uniform color and no hollows.

Textured non-slip floor coating system

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Applications:

It is suitable for parking lot, slope, oil stain, water workshop and art floor.

Coating properties

- Made of solvent-free epoxy resin with high quality curing agent
- Particularly suitable for heavy industrial flooring
- Granular surface, non-slip and easy to clean
- Impact resistance, weather resistance, long service life of the coating.

Technical Index

All tests (except drying time) were performed after 7 days of curing (25℃)

Pilot projects		unit	index
Dry time(25℃)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Pencil hardness		-	≥2H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		level	≥2
Resistant to 10% salt water		7 days	No significant changes
Resistant to 10% sulphuric acid		7 days	No significant changes
Resistant to 10% sodium hydroxide		7 days	No significant changes
Resistant to petrol 120#		7 days	No significant changes

Construction procedure

Construction method		Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Roller to apply epoxy primer	/	0.15kg/m²
mortar layer	Scraping Epoxy Midcoat	quartz sand	0.25-0.6kg/m²
Putty layer	Scrape to apply putty layer	/	0.10kg/m²
top coat	Roller or spray to apply epoxy topcoat	/	0.15kg/m²
After completion, the whole ground should be bright and clean, with uniform color and no hollows.		/	0.3-0.6kg/m²

Solvent-free primer

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Coating properties:

- low odour, low VOC, high hardness, acid and alkali resistance
- High hardness, up to 2H
- Color stability: No color separation occurs during
- Construction good leveling: no roll marks, no brush marks
- With low cost advantage, suitable for all kinds of ground

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Hardness(Shore D)		-	≥90
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Adhesion(Grid method)		level	1
Water resistance		7 days	No significant changes
Resistant to 20% sulphuric acid		7 days	No significant changes
Resistant to 20% sodium hydroxide		7 days	No significant changes
Resistant to petrol 120#		7 days	No significant changes
Bonding strength		Mpa	≥3.2
Compressive strength		Mpa	≥70

Construction procedure

Construction method

1. Construction base surface requirements: sanding, sweeping to clean, repair;
2. If the humidity of the basic surface is >18%, the construction must be stopped, and the construction can only be carried out when the humidity of the surface is <18%, otherwise it will be easy to blister;
3. Operation requirements: before construction, the A material should be fully mixed, add the component B material according to the proportion, mixing for about 3 minutes, and then use the roller to apply or scrape with a flat scraper to get a smooth and even surface coating;
4. Use time limit:when the product in ≈ 25 °, it can be used for about 45 minutes, please determine the amount of ingredients each time according to the actual construction progress. The prepared materials must be used up at one time, and the remaining materials A and B must be sealed and stored.

Solvent-free midcoat

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Applications:

Suitable for confined space,old ground renovation, crack repair,areas with high environmental protection requirements etc.

Coating properties:

- Made of solvent-free epoxy resin with high quality hardener.
- Particularly suitable for heavy industrial floors
- Granular surface, non-slip and easy to clean
- Impact-resistant, weather-resistant, and long-lasting coatings

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Pencil hardness		-	≥2H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Bonding Strength		Level	≥2
Resistant to 10% salt water		7 days	No significant changes
Resistant to 10% sulphuric acid		7 days	No significant changes
Resistant to 10% sodium hydroxide		7 days	No significant changes
Resistant to petrol 120#		7 days	No significant changes

Construction procedure

Construction method

1. Construction substrate requirements: flat and construction on the matching primer;
2. If the humidity of the primer surface is >18%, then the construction must be stopped, and the construction can only be done when the humidity of the surface is <18%, otherwise it will be easy to blister;
3. Operation requirements: before construction, mix the A material well, add the B material according to the proportion, mix for about 3 minutes, then add the appropriate amount of quartz sand or powder, mix well, scrape to apply the mortar layer and putty layer.
4. Use time limit: when the product in ≈ 25 °, it can be used for about 45 minutes, please determine the amount of ingredients each time according to the actual construction progress . The prepared materials must be used up at one time, and the remaining materials A and B must be sealed and stored.

Solvent-free topcoat

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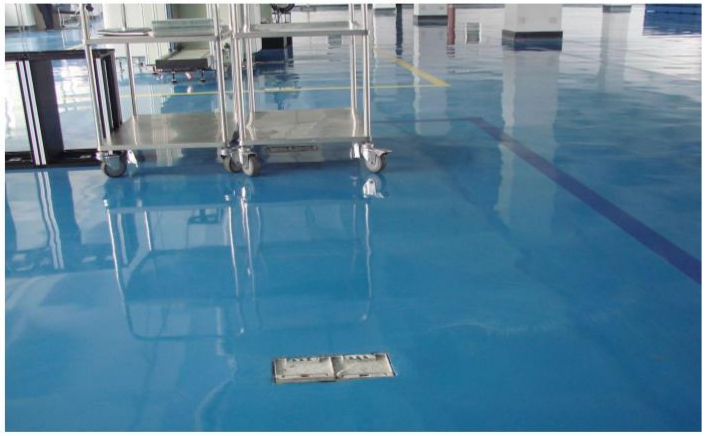
Coating properties:

- Low odour, low VOC, high hardness, acid and alkali resistance
- High hardness, up to 2H
- Stable colour: no colour separation during construction
- Good levelling: no rolling marks in rolling coating, no brush marks in brushing coating.
- Low cost advantage, suitable for all kinds of floors



Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry	Surface Dry	h	≤4
time(25°C)	Actual Dry	h	≤24
Hardness(Shore D)		-	≥90
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Adhesion(Grid method)		level	1
Water resistance		7 days	No significant changes
Resistant to 20% sulphuric acid		7 days	No significant changes
Resistant to 20% sodium hydroxide		7 days	No significant changes
Resistant to 120# petrol		7 days	No significant changes
Bonding strength		Mpa	≥3.2
Compressive strength		Mpa	≥70

Construction procedure

Construction method

1. Construction base surface requirements: sanding, sweeping to clean, repair;
2. If the humidity of the basic surface is >18%, the construction must be stopped, and the construction can only be carried out when the humidity of the surface is <18%, otherwise it will be easy to blister;
3. Operation requirements: before construction, mix the A material fully, add the B material according to the proportion, mix them for about 3 minutes, and then use a roller to roll or flat scraper to scrape the coating evenly to get a flat and even surface coating;
4. Use time limit: when the product in ≈ 25 °, it can be used for about 45 minutes, please determine the amount of ingredients each time according to the actual construction progress. The prepared materials must be used up at one time, and the remaining materials A and B must be sealed and stored.

Water-based epoxy coating

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Applications:

The product is a two-component material, fully meet the national environmental testing standards, it can be done low VOC testing, no visible water wet ground can be constructed, waterproof effect is good, it contains a small amount of BCS and IPA, suitable for humidity is relatively large ground construction.

Coating properties:

- Breathable, high moisture permeability
- Long-term water permeability evaporation rate up to 0.5g/nV day
- Imported water-based material, very good mixability
- Strong hydrolysis resistance

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤1
	Actual Dry	h	≤14
Pencil hardness		-	≥1H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		level	≥2
Resistant to 3% salt water		7 days	No significant changes
Water resistance		7 days	No significant changes
Resistant to 20% sodium hydroxide		7 days	No significant changes
Resistant to 120# gasoline		7 days	No significant changes

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Roll on water based epoxy primer	/	0.15kg/m²
Mortar layer	Scraping mortar layer	Quartz sand	0.25-0.6kg/m²
Putty layer	Scraping putty layer	Quartz sand	0.5kg/m²
Topcoat	Scraping same color topcoat	Quartz sand	0.1kg/m²
Finish coat	Roller or spray waterborne epoxy topcoat (Bright light, matte optional)	/	0.15kg/m²

Solvent-free self-leveling coating

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Applications:

GMP pharmaceutical factories, food factories, hospitals and other sterile and dust-free rooms, precision machinery and microelectronics manufacturing factories refurbished the ground, etc., or other purification areas that require high comprehensive performance of the floor.

Coating properties:

- Environmental protection, non-toxic, excellent chemical resistance
- Excellent mechanical properties, fast and convenient construction
- Flat and bright, excellent decorative effect
- Clean up to class 100 level, dust-proof, moisture-proof

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Shore hardness		-	≥90
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		Mpa	≥2
Compressive strength		Mpa	≥80
10% sulfuric acid resistance		20 days	No significant changes
Resistant to 20% sodium hydroxide		30 days	No significant changes
Diesel and engine oil resistant		60 days	No significant changes

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Scraping solvent-free primer	/	0.15kg/m²
Mortar layer	Scraping intermediate mortar layer	quartz sand	0.25-0.7kg/m²
Putty layer	Scraping intermediate putty layer	/	0.15kg/m²
Topcoat	Trowelling the self-levelling topcoat	/	0.75-0.8kg/m²
After completion, the whole ground should be bright and clean, with uniform color and no hollows.			

Colored sand self-leveling coating

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Applications:

Areas with high mechanical properties and aesthetic requirements, tobacco factories, cosmetics, pharmaceutical factories, shopping malls, exhibition halls, auto showrooms and other high-end places.

Coating properties:

- Excellent resistance to corrosion and wear
- Colored sand grains form a beautiful surface
- Various colors of sand can be collaged into various patterns
- Adequate surface flatness and roughness

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Shore hardness		-	≥90
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		Mpa	≥2
Compressive strength		Mpa	≥80
10% sulfuric acid resistance		7 days	No significant changes
Resistant to 20% sodium hydroxide		7 days	No significant changes
Resistant to Gasoline 120#		7 days	No significant changes

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Scraping solvent-free primer	/	0.15kg/m²
Mortar layer	Scraping intermediate mortar layer	Quartz sand	0.4kg/m²
Putty layer	Scraping intermediate putty layer	/	0.15kg/m²
Topcoat	Trowel coated colored sand self-leveling topcoat	/	2.0-2.5kg/m²

After completion, the whole ground should be bright and clean, with uniform color and no hollows.

Anti-static flat coating

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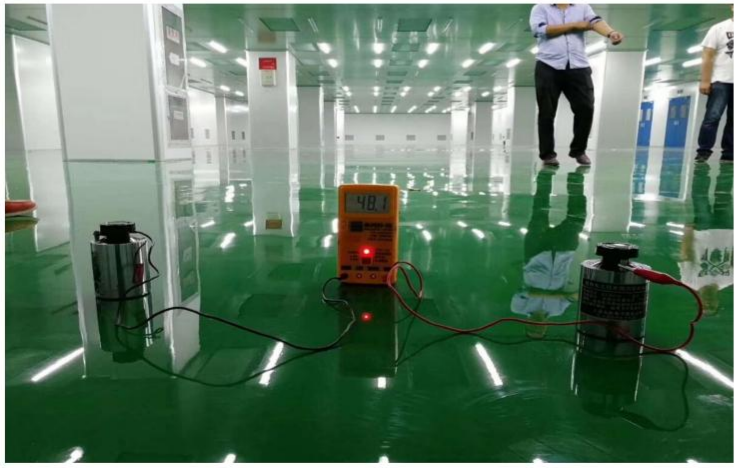
Applications:

Applicable to electronics, communications, printing, computer room, precision machinery, powder chemistry ordnance, aerospace and other places that need to prevent static electricity.

Coating properties:

- With all the excellent properties of epoxy mortar floor coating
- Can quickly leak electrostatic charge
- Long-lasting anti-static effect
- Not affected by time, temperature, humidity



Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Pencil hardness		-	≥2H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.03
Adhesion(grid method)		level	1
Surface resistance	Middle coat	Ω	$1.0x10^{4}$-$1.0x10^{5}$
	Topcoat	Ω	$2.5x10^{4}$-$1.0x10^{9}$
	Volume resistance	Ω	$1.0x10^{4}$-$1.0x10^{9}$

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Scraping epoxy primer	/	0.15kg/m²
Mortar layer	Scraping Intermediate emortar layer	Quartz sand	0.25-0.7kg/m²
Putty layer	Scraping epoxy putty layer	/	0.10kg/m²
Copper foil laying	Laying Copper Foil	/	0.25-3.0kg/m²
Conductive Midcoat	Scrape and roll conductive midcoat	/	0.12kg/m²
Topcoat	Roller to apply anti-static topcoat	/	0.15-0.18kg/m²

Anti-static self-leveling coating

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Guangdong Bayide New Material Technology Co., Ltd

Applications:

Electronics,communications,printing,computer room, precision mechanical instrumentation,powder,chemistry, military, aerospace and other places that require anti-static. It is especially suitable for the production workshop and storage area of electronic instruments and meters,integrated circuits and other components with high sensitivity to static electricity.

Coating properties:

- With all the excellent properties of epoxy mortar coating
- It can quickly leak electrostatic charge
- Long-lasting anti-static effect
- Not affected by time, temperature, humidity
- Environmental protection, no pollution, non-toxic

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Pencil hardness		-	≥2H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.03
Adhesion(Grid method)		level	1
Surface resistance	Middle coat	Ω	$1.0x10^{4}$-$1.0x10^{5}$
	Topcoat	Ω	$2.5x10^{4}$-$1.0x10^{9}$
	Volume resistance	Ω	$1.0x10^{4}$-$1.0x10^{9}$

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Scraping epoxy primer	/	0.15kg/m²
Mortar layer	Scraping epoxy mortar layer	Quartz sand	0.25-0.7kg/m²
Putty layer	Scraping epoxy putty layer	/	0.10kg/m²
Laying Copper Foil	Laying Copper Foil	/	/
Conductive Coating	Scrape and roller conductive midcoat	/	0.12kg/m²
Topcoat	Trowelling anti-static self-leveling topcoat	/	0.65-0.7kg/m²

Super wear-resistant anti-slip coating

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Applications:

Suitable for non-slip workshops, underground garages, chemicals, hardware, ramps, sidewalks; machinery, shipyards, auto repair shops, restaurants.

Coating properties:

- Dustproof, moisture-proof, wear-resistant, pressure resistant, acid and alkali resistant
- Easy to clean, no seams, anti-mold anti-bacterial, strong impact resistance
- Strong adhesion, durable, chemical resistance
- Construction is fast and cost-effective
- Colorful

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Pencil hardness		-	≥6H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.03
Adhesion(Grid method)		level	1
Resistant to 10% salt water		7 days	No significant change
10% sulfuric acid resistance		7 days	No significant change
Resistant to 10% sodium hydroxide		7 days	No significant change
Resistant to Gasoline 120#		7 days	No significant change

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Scrape to apply epoxy primer	/	0.1-0.15kg/m²
Mortar layer	Add quartz sand to scrape mortar layer	Quartz sand	0.5kg/m²
Putty layer	Scrape to apply epoxy putty layer	/	0.15kg/m²
Topcoat	Scrape evenly with the same color topcoat	/	0.1kg/m²
Wear layer	Even scraping with microbead topcoat	/	0.13kg/m²

Super wear-resistant nano flat coating

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Guangdong Bayide New Material Technology Co., Ltd

Applications:

Super wear-resistant nano-coating is a three-component color paint, using a new alloy of nano-materials. It is a super wear-resistant floor coating and it is currently the most wear-resistant products on the market. Its wear resistance is 3 times higher than that of polyurethane super wear resistance, and it is mainly used for floors with a large wear resistance coefficient.

Coating properties:

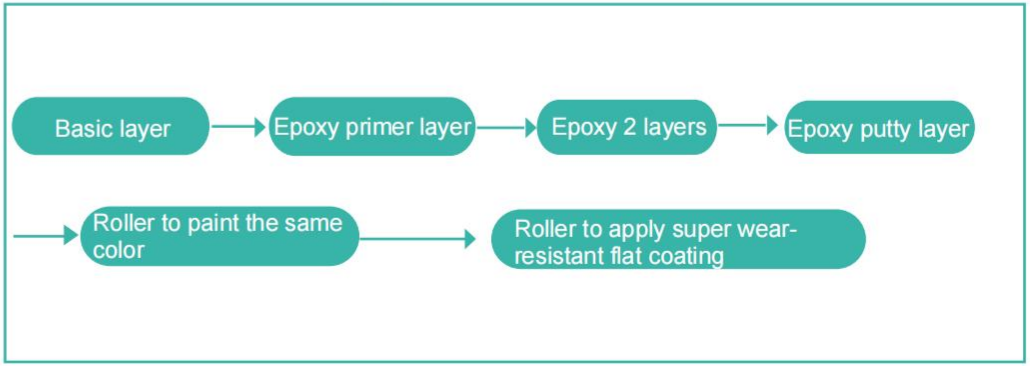
- Superior wear resistance and scratch resistance
- Especially suitable for heavy industry floor
- Granular surface, non-slip and easy to clean
- The coating has impact resistance, weather resistance and long service life

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤1
	Actual Dry	h	≤14
Mohs hardness		-	≥8H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		level	≥2
Resistant to 3% salt water		7 days	No significant change
Water resistance		7 days	No significant change
Resistant to 20% sodium hydroxide		7 days	No significant change
Resistant to Gasoline 120#		7 days	No significant change

Construction procedure



Anti-corrosion flat coating

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Applications:

It is suitable for electroplating factory, distillery, vinegar factory, battery factory, chemical factory, sauce factory, waste water treatment pool, acid and alkali neutralization pool, chemical storage area, etc.

Coating properties:

- Resistant to strong acid and alkali, seawater and salt spray
- Strong adhesion, wear resistance, impact resistance, dust resistance
- Resistant to all kinds of chemical media
- Enough flatness and decoration performance

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Pencil hardness		-	≥2H
Impact resistance (500g steel ball)		g.cm	50
Wear resistance (750g/500r)		g	≤0.03
Compressive strength		level	≤1
60% acid and alkali resistance		7 days	No significant change
31% salt resistance		7 days	No significant change
10% nitric acid resistance		7 days	No significant change
10% acetic acid resistance		7 days	No significant change
Resistant to 10% sodium hydroxide		7 days	No significant change
Resistant to 10% hydrofluoric acid		7 days	No significant change
Resistant to Gasoline 120#		7 days	No significant change

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Scrape to apply epoxy primer	/	0.15kg/m²
Mortar layer	Scrape to apply epoxy mortar layer	Quartz sand	0.25-0.7kg/m²
Putty layer	Scrape to apply putty layer with midcoat	/	0.15kg/m²
Topcoat	Roller to apply anti-corrosion flat topcoat	/	0.15-0.18kg/m²

After completion, the whole ground should be bright and clean, with uniform color and no hollows.

Anti-corrosion self-leveling coating

BAYD

Guangdong Bayide New Material Technology Co., Ltd

Applications:

It is suitable for electroplating factory, distillery, vinegar factory, battery factory, chemical plant, sauce factory, waste water treatment tank, acid and alkali neutralization tank, chemical storage area, etc.

Coating properties:

- The surface of the coating is smooth and flat
- No seams, no dust, easy to clean the surface
- Excellent chemical resistance
- Enough flatness and decoration
- Good mechanical strength

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	≤24
Pencil hardness		-	≥3H
Impact resistance (500g steel ball)		g.cm	50
Wear resistance (750g/500r)		g	≤0.03
Compressive strength		level	≤1
Resistant to 15% acid and alkali		7 days	No significant change
31% salt resistance		7 days	No significant change
10% nitric acid resistance		7 days	No significant change
10% acetic acid resistance		7 days	No significant change
Resistant to 10% sodium hydroxide		7 days	No significant change
Resistant to 5% hydrofluoric acid		7 days	No significant change
Resistance to gasoline 120#, ammonia		7 days	No significant change

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Scrape to apply epoxy primer	/	0.15kg/m²
Mortar layer	Scrape to apply epoxy mortar layer	Quartz sand	0.25-0.7kg/m²
Putty layer	Scrape to apply epoxy putty layer	/	0.15kg/m²
Topcoat	Troweling anti-corrosive self-leveling topcoat	/	0.65-0.7kg/m²

After completion, the whole ground should be bright and clean, with uniform color and no hollows.

Vinyl anti-corrosion floor coating

BAYD

Guangdong Bayide New Material Technology Co., Ltd

Applications:

Suitable for chemical plants, electroplating plants, sewage treatment plants and other places where high corrosion resistance performance is required.

Coating properties:

- The surface of the layer is smooth and flat
- No seams, no dust, easy to clean the surface
- Excellent chemical resistance
- Enough flatness and decoration
- Good mechanical strength

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	h	≤4
	Actual Dry	h	⩾24
Pencil hardness		-	≥2H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Sulfuric acid		%	≤80 Resistance
Hydrochloric acid		%	Resistance
Nitric acid		%	≤40 Resistance
Acetic acid		%	≤50 Resistance
Sodium hydroxide		%	Resistance

Construction procedure

Base layer → Vinyl primer → Stick fiberglass cloth

The vinyl midcoat is coated with quartz sand → Scraping vinyl middle coating → Roller to apply vinyl topcoat

Waterborne breathable topcoat

BAYD

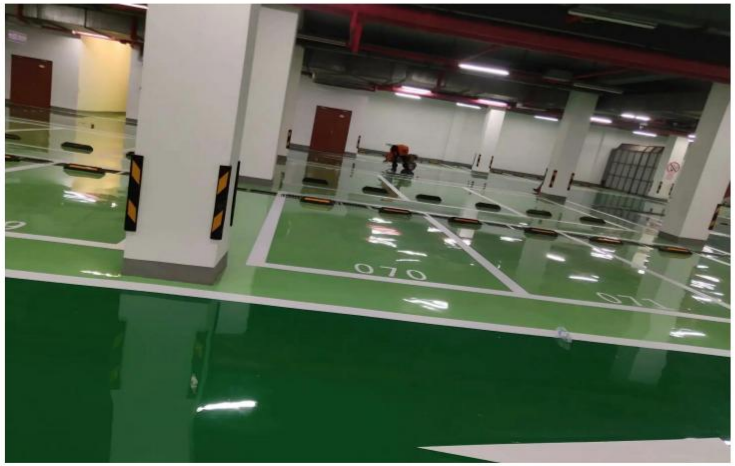
Guangdong Bayide New Material Technology Co., Ltd

Applications:

Water-based breathable surface belongs to the two-component material, fully meet the national environmental testing standards, it can do low VOC testing, no visible water wet ground can be constructed, waterproof effect is good, it contains a small amount of BCS and IPA, which is suitable for humidity is relatively large ground construction.

Coating properties:

- Unidirectional permeability, high moisture permeability
- Long-term water permeability evaporation rate as high as 0.5g/nV day
- Imported water-based materials, excellent mixability
- Strong hydrolysis resistance



Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry	Surface Dry	H	≤1
time(25°C)	Actual Dry	H	≤14
Pencil hardness		-	≥1H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		level	≥2
Resistant to 3% salt water		7 days	No significant change
Water resistance		7 days	No significant change
Resistant to 20% sodium hydroxide		7 days	No significant change
Resistant to 120#		7 days	No significant change

Construction procedure

Construction method		Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Roller with water based epoxy primer	/	0.15kg/m²
Mortar layer	Scrape to apply mortar layer	Quartz sand	0.25-0.6kg/m²
Putty layer	Scrape to apply putty layer	Quartz sand	0.5kg/m²
Scrape topcoat	Scrape topcoat of the same color	Quartz sand	0.1kg/m²
Topcoat	Roller or spray water-based epoxy topcoat		0.15kg/m²

Waterborne acrylic coating

BAYD

Guangdong Bayide New Material Technology Co., Ltd

Applications:

Water-based acrylic floor paint is suitable for badminton court, basketball court, outdoor color pavement, asphalt pavement color change, metal rust prevention, etc.

Coating properties:

- Good environmental performance, low VOC, low odor
- Strong air permeability, especially suitable for wet ground construction
- Good UV resistance
- Excellent physical properties, abrasion resistance and chemical corrosion resistance.

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry	Surface Dry	H	≤1
time(25°C)	Actual Dry	H	≤14
Pencil hardness		-	≥1H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		level	≥2
Resistant to 3% salt water		7 days	No significant change
Water resistance		7 days	No significant change
Resistant to 20% sodium hydroxide		7 days	No significant change
Resistant to Gasoline 120#		7 days	No significant change

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Roller to apply acrylic primer	/	0.15kg/m²
Mortar layer	Scrape to apply acrylic mortar layer	Quartz sand	0.25-0.6kg/m²
Putty layer	Scrape to apply acrylic putty layer	/	0.5kg/m²
Topcoat	Roller or spray water-based acrylic topcoat	/	0.15-0.18kg/m²

Waterborne polyurethane overcoating

BAYD

Guangdong Bayide New Material Technology Co., Ltd

Applications:

It is suitable for home decoration, interior and exterior walls, high environmental protection and moist ground environment, such as food factory, electronics factory, pharmaceutical factory, cosmetics factory, paper factory, logistics warehouse, basement and other areas requiring clean ground.

Coating properties:

- Environmental protection, convenient construction
- Resistant to general chemical corrosion
- Beautiful and smooth, good texture
- Very good bonding strength

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	H	≤1
	Actual Dry	H	≤14
Pencil hardness		-	≥1H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		level	≥2
Resistant to 3% salt water		7 days	No significant change
Water resistance		7 days	No significant change
Resistant to 20% sodium hydroxide		7 days	No significant change
Resistant to Gasoline 120#		7 days	No significant change

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Roller to apply epoxy primer	/	0.15kg/m²
Mortar layer	Scrape intermediate mortar layer	Quartz sand	0.25-0.6kg/m²
Putty layer	Scrape intermediate putty layer	Quartz sand	0.15kg/m²
Topcoat	Roller to apply epoxy topcoat	/	0.15-0.18kg/m²
Finish coat	Roll-on waterborne polyurethane finish coat	/	0.06kg/m²

Note: Suitable for all epoxy series finishes

Waterborne polyurethane topcoat

BAYD

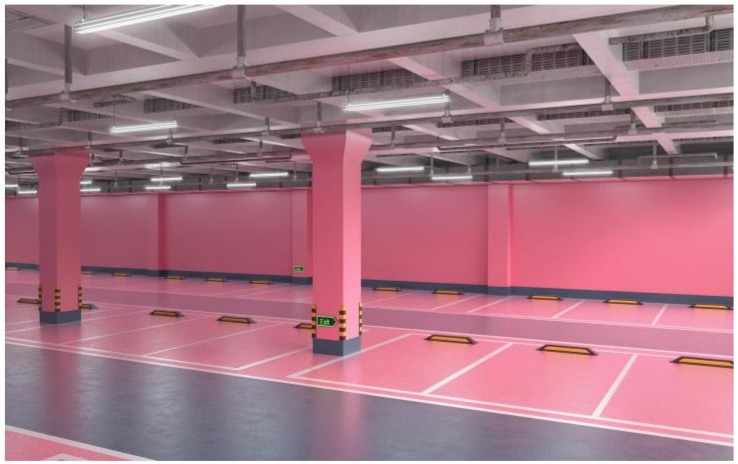
Guangdong Bayide New Material Technology Co., Ltd

Applications:

Suitable for highly environmentally friendly and humid environments such as food factories, electronics factories , pharmaceutical factories, cosmetic factories, paper mills , logistics warehouses, basements, home furnishings, tool walls, wall color changes and other areas where needs clean floors.

Coating properties:

- Environmental protection, convenient construction
- Resistant to general chemical corrosion
- Beautiful smooth, good texture
- Very good bonding strength



Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	H	≤1
	Actual Dry	H	≤14
Pencil hardness		-	≥1H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		level	≥2
Resistant to 3% salt water		7 days	No significant change
Water resistance		7 days	No significant change
Resistant to 20% sodium hydroxide		7 days	No significant change
Resistant to Gasoline 120#		7 days	No significant change

Construction procedure

	Construction method	Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	/
Primer coat	Roller to apply waterborne epoxy primer	/	0.15kg/m²
Mortar layer	Scrape waterborne epoxy midcoat	Quartz sand	0.25-0.6kg/m²
Putty layer	Scrape waterborne epoxy putty layer	Calcium powder	0.10kg/m²
Topcoat	Roller or spray waterborne polyurethane topcoat	/	0.12kg/m²

After completion, the whole ground should be bright and clean, with uniform color and no hollows.

Polyurethane road color changing paint

BAYD

Guangdong Bayide New Material Technology Co., Ltd

Applications:

Especially suitable for all kinds of outdoor sports stands, corridors, rooftops and other fields, park greenways, asphalt color change and skylights or strong light indoor places.

Coating properties:

- Excellent weather and water resistance
- Chemical resistance
- Can be constructed in high humidity environment
- Variety of colors, easy maintenance

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	H	≤1
	Actual Dry	H	≤14
Pencil hardness		-	≥1H
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.02
Bonding strength		level	≥2
Resistant to 3% salt water		7 days	No significant change
Water resistance		7 days	No significant change
Resistant to 20% sodium hydroxide		7 days	No significant change
Resistant to Gasoline 120#		7 days	No significant change

Construction procedure

	Construction method	Auxiliary material		Reference dosage
Plain land	The ground is dry and dust-free	/	/	/
Topcoat	Roller or spray UV protection topcoat	/	/	0.15-0.18kg/m²

After completion, the whole ground should be bright and clean, with uniform color and no hollows.

Polymer colored anti-slip floor paint

BAYD

Guangdong Bayide New Material Technology Co., Ltd

Applications:

Suitable for bus lanes, sidewalks, non-motorized lanes, tunnels, highway speed bumps, flyovers, bus harbor, long downhill slopes, sharp curves, toll station access roads, and highway emergency stop areas.

Coating properties:

- Paint curing time is fast, construction operation is simple, low odor
- Excellent water resistance, good flexibility
- Excellent resistance to chemical corrosion
- Good temperature resistance and high slip resistance
- Excellent interlayer adhesion, high bonding strength with concrete base.

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	H	≤4
	Actual Dry	H	≤6
Pencil hardness		-	≥2H
Wear resistance (750g/500r)		g	≤0.02
Adhesion(grid method)		level	1
Weathering resistance(800 hours)		/	Pass
Resistant to 3% salt water		7 days	No significant change
Water resistance		7 days	No significant change
Resistant to 20% sodium hydroxide		7 days	No significant change
Resistant to Gasoline 120#		7 days	No significant change

Construction procedure

Construction method		Auxiliary material	Reference dosage
Plain land	Trowel-coated polymer colored road anti-slip primer	/	1-2(12-16mesh)
Primer coat	1.Repair and sand it, then clean the floor.		2-2.5kg/m²
	2.Apply the sealer and colored primer	/	0.5-0.75kg/m²
Ceramic particle layer	Sprinkle abrasion-resistant aggregate on the surface of the primer.	Quartz sand	2-2.5kg/m²
Topcoat	After 2-3 hours of complete coverage of the surface with particles, clean the surface of excess particles.	Particles	3-5kg/m²

Polyurethane nano-marking paint

BAYD

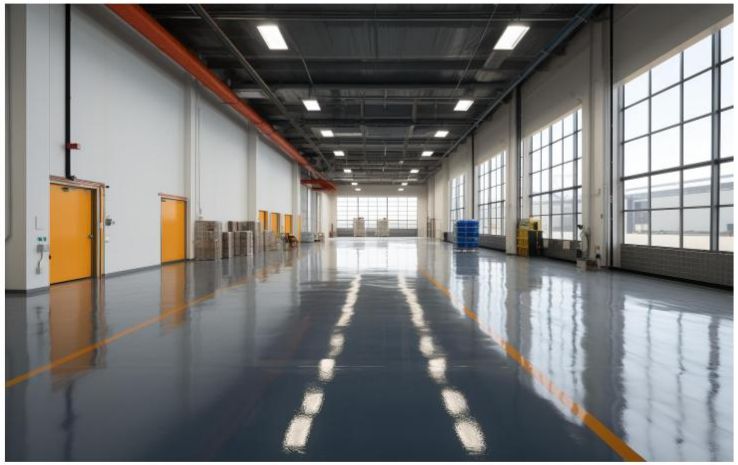
Guangdong Bayide New Material Technology Co., Ltd

Applications:

Widely used in garages, roads, traffic signs, workshops, warehouses and courts etc.

Coating properties:

- Paint film drying fast, short construction period
- The film has no rough edge, and the hiding power is very strong
- Good weather resistance, not easy to yellow
- Hard film, good wear resistance and high adhesion



Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	H	≤20 minutes
	Actual Dry	H	≤4 hours
Pencil hardness		-	2H
Flexibility		mm	≤0.03
Bonding strength		s	≥60
Adhesion(grid method)		level	≥2
Water resistance		7 days	No significant change

Construction procedure

Construction method	
Theoretical dosage	0.13-0.17kg/m² /coating(calculated by dry film 30um)
Number of coats	Air spraying 1 coat, roller coating 2 coats, brushing 2 coats (epoxy primer is recommended when painting on concrete).
Recoating time	The best interval is greater than 1 hour
Construction condition	The substrate must be dry and free of dust, flatness, no oil and other dirt before application.
Construction environment	Construction temperature 5-40 ℃, relative humidity <80%, rain and snow days should not be construction.

Polyurethane self-levelling mortar system

BAYD

Guangdong Bayide New Material Technology Co., Ltd

Applications:

Composites have almost all the advantages over organic polymers and organic concrete, and are particularly suitable for use in extreme industrial environments such as food hygiene, chemical corrosion, high temperatures and humidity, wet and slippery water, freezing temperatures, and heavy-duty stamping.

Coating properties:

- Strong impact resistance, high wear resistance, service life up to 20~30 years
- Resistant to -40~130℃ high and low temperature
- Excellent water vapor penetration
- Very low VOC emissions
- Fast curing property

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	H	≤4
	Actual Dry	H	≤24
Shore hardness		d	≥80
Impact resistance (500g steel ball)		g.cm	Pass
Wear resistance (750g/500r)		g	≤0.1
Adhesive strength		level	≥2
24 hours compressive strength		Mpa	≥30
7d compressive strength		Mpa	≥45
Water resistance		7 days	No significant change
Resistance to other chemicals		7 days	No significant change

Construction procedure

Construction method		Auxiliary material
Plain land	Plain land seam cutting (not less than 80*80)	/
Primer coat	Scrape with polyurethane primer	/
Topcoat	1.Troweled polyurethane mortar 1st coat with appropriate amount of quartz sand. 2.Troweled self-leveling polyurethane mortar 2nd coat	Quartz sand

After completion, the whole ground should be bright and clean, with uniform color and no hollows.

Polyurethane anti-static super wear resistant topcoat

BAYD

Guangdong Bayide New Material Technology Co., Ltd

Applications:

Composites have almost all the advantages over organic polymers and organic concrete, and are particularly suitable for use in extreme industrial environments such as food hygiene, chemical corrosion, high temperatures and humidity , wet and slippery water, freezing temperatures, and heavy-duty stamping.

Coating properties:

- Strong impact resistance, high wear resistance, service life up to 20~30 years
- Resistant to -40~130℃ high and low temperature
- Excellent water vapor penetration
- Very low VOC emissions
- Fast curing property

Technical Index

All tests (except drying time) were performed after 7 days of curing (25°C)

Pilot projects		unit	index
Dry time(25°C)	Surface Dry	H	≤4
	Actual Dry	H	≤24
Pencil hardness		/	≥2H
Impact resistance (500g steel ball)		g.cm	50
Wear resistance (750g/500r)		g	≤0.03
Compressive strength		level	≤1
60% sulfuric acid resistance		7 days	No significant change
31% hydrochloric acid resistance		7 days	No significant change
10% nitric acid resistance		7 days	No significant change
Resistant to 10% sodium hydroxide		7 days	No significant change
Resistant to 10% hydrofluoric acid		7 days	No significant change
Resistant to Gasoline 120#		7 days	No significant change

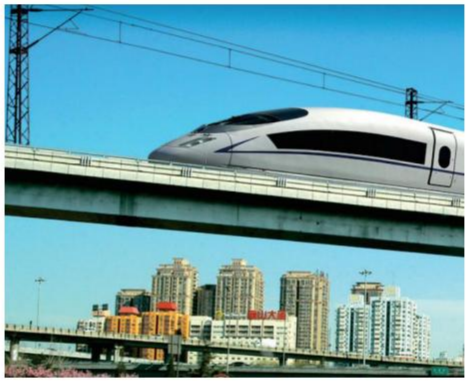
Construction procedure

Construction method		Auxiliary material	Reference dosage
Plain land	Do waterproofing	/	
Primer	Scrape to apply epoxy primer	/	0.15kg/m²
Mortar layer	Scrape to apply mortar layer	quartz sand	0.25-0.7kg/m²
Putty layer	Scrape to apply putty layer	/	0.15kg/m²
Carbon black layer	Scrape and roll carbon black layer	/	0.15-0.18kg/m²
Copper foil layer	Laying Copper Foil	/	0.25-3.0kg/m²
Topcoat	Roller coated anti-static topcoat	/	0.12kg/m²
Static wear layer	Scrape and roll polyurethane anti-static abrasion-resistant topcoat	/	

Successful Case

Shenzhen BGI

Shenzhen BYD



Guangzhou EMU motor repair workshop

Foxconn Technology Group

Industrial Floor Paint Case

1.Foshan ned material
2.Changsha Kebei Electronics
3.Henan Tangyuan Door
4.Dongguan Feitai Electronic Factory
5.Qiangqiang Ceramics Factory
6.Gao Li Industrial Park
7.Guangzhou Omron Automobile Electronics
8.Shenzhen North Railway Station Transportation Hub
9.Huizhou Huiyang Sports Exhibition Center

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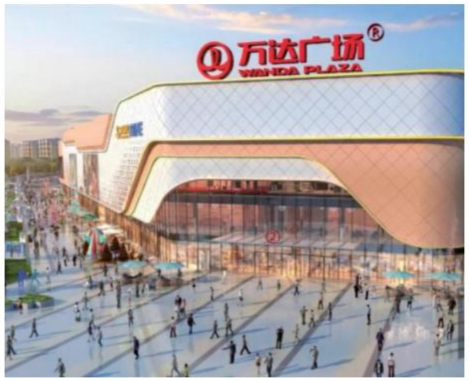
Shenzhen Maternal and Child Health Care Hospital



Wuhan Wanda Plaza

Changsha Mitsubishi Motors

Hainan Calais military airport

Zhuhai Lizhu Pharmaceutical

Blue Sea Garden

Parking lot floor paint case

1.Guangzhou Huadu Zhongjian Building
2.Jinshan Industrial Zone, Shanghai
3.Silicon Valley Power Intelligent Manufacturing Project
4.Chongqing R&F Modern Plaza
5.Vanke Oriental Zunyu
6.Chaozhou Cinnamon Garden Hanlin
7.Hainan Xingmao Shopping Center
8.Xi'an Metropolis
9.Huizhou Longli Science and Technology Industrial Park
10 Shenzhen Richeng Xiyue Mountain II
11.China Railway Construction Group
12.Zhuhai New Energy

Baoding Zhongxiang

Silicon Valley Science Park

Country Garden

South light Center, Haikou, Hainan

Evkona, Sichuan

Shenzhen Xinhua Hospital

Parking lot floor paint case

1.Triumph City, Yongxiu, Nanchang, China
2.Hong Kong University of Science and Technology (Guangzhou)
3.Hangzhou Zhongtie Creekside Yun Jing Mansion
4.Hainan Industrial School
5.Anhui BYD
6.Foshan Yi'an Haojing Bay
7.Shenzhen Richeng Xiyue Mountain
8.Guangxi Binyang Changtai School House
9.Shanxi Datong Yecheng Lijing East Court
10.Hudson Mansion, Nanning, Guangxi
11.Shantou Donghui Yaju
12.Hainan Seed Innovation Research Institute of Chinese Academy of Sciences

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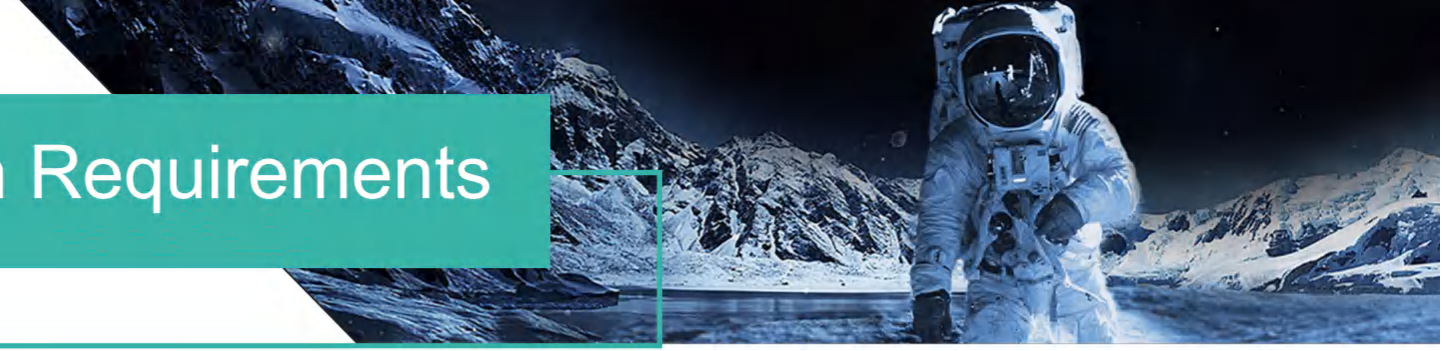


Construction Requirements

Requirements for plain land before construction

Conservation period: up to 28 days or more. First floor and underground floor negative foundation, concrete must have done waterproof layer treatment (second floor ground can be exempted from waterproof layer treatment)
Powder light strength : 3000Psi (210kg/m² or C25) or more, and no hollows.
Moisture content : 6% or less
Relative humidity: 80% or less
Flatness : within 2-3mm/2m²

Climatic Condition

On rainy days or when the relative humidity of the atmosphere is higher than 80%, or when the temperature is below 10°C, the construction should be avoided or other low-temperature humidity-resistant products should be used in order to prevent the paint surface from not shining, whitening or not drying.

Ground Pretreatment

If the ground is wet in a few places, the gas gun can be used to force drying before construction; if there is oil, wax, etc., it is necessary to use special degreasing agent for cleaning; if the ground is mildly burnt slurry, sandy cement floor is recommended to use penetration primer for penetration, hardening structure reinforcement. If powdering, sanding and laminating are serious, it is necessary to remove the loose surface layer, and then use epoxy primer to penetrate hardening and reinforcing.

Construction Interval

Construction time interval between each two layers of paint: 8 hours / 12 hours / 24 hours. Coating interval is too long need to re-polish, so as not to affect the adhesion between the coatings. If the cross construction phenomenon is exist between the coatings, it will contaminate the coated paint surface, affecting the adhesion between the coatings, and the following coating will be particles, oil separation, bubbles, and many other undesirable phenomena occur.

Detail Processing

Building Joint

If there are slightly moving joints, such as construction joints, etc., elastic sealing or coating can be used in the ground system treatment plan. Structural movement joints or compartment joints existing in the base concrete slab must be set aside on the floor. We also recommend setting moving joints at the highest points of ramps and around the perimeter of walls and equipment.

1, The floor and wall articulation processing

In some areas, when it is necessary to set up arc corners in the horizontal and vertical surfaces (such as floor / wall, perimeter skirting), it is necessary to accurately determine the dimensions of the arc as well as the details of the floor and wall connection; arc made using a special internal and external curved trowel, whose standard radius is 38mm.

2, Drainage groove

According to the arrangement in the plant, whenever possible, the drainage channel is always designed outside the access area. There should be a large enough slope on the floor to drain the liquid into the trough as soon as possible, and the slope inside the trough is usually a little larger; if it is necessary to pass on the trough, then the fixing of the trough edges and grating covers must be given sufficient attention, as the possibility of problems in these areas is greater; when there is severe liquid erosion, the construction procedure will use a passivated trough wall, fixed up with sufficient angles.

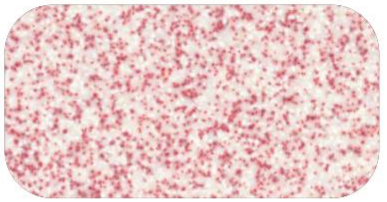
Matters Needing Attention

1 .Avoid dragging sharp objects on the ground surface.
2 .Avoid sudden starts and emergency braking of fully loaded forklifts.
3.Pedestrians are advised to wear clean, soft-soled shoes.
4.Active tables and chairs are recommended to be equipped with soft-soled mats.
5.Spill chemicals on the floor should be scrubbed immediately.
6 .Localized damage should be repaired as soon as possible.

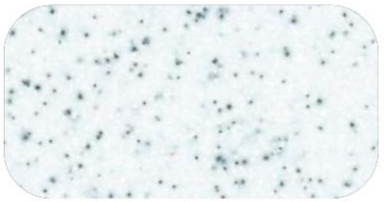
Bayd Color Sand Self-Leveling Reference Color Card

Versailles gold sand

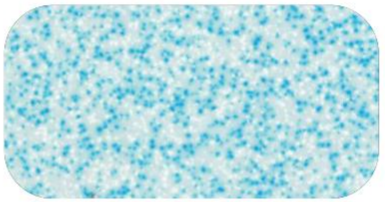
Buckingham sand



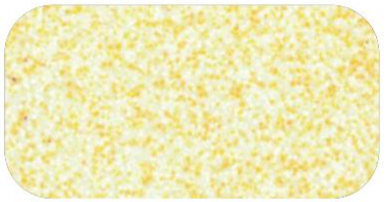
Pink Saga color sand



Cappuccino sand



Blue banshee color sand



Golden age color sand

Warmreminder

1, Material storage should avoid the sun and rain, strictly prohibit fireworks.

2, Must use a blender to mix the paint evenly, according to the proportion of correct use.

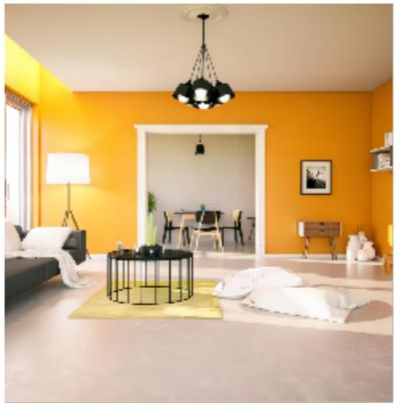
3, Ensure that the construction site has good ventilation, do a good job of labor protection.

4, Avoid construction when the humidity is above 85%, when the temperature is below 5°C, or when the moisture content of the base surface is above 10%.

Product Support

Industrial coatings

Floor coating



Decorative Paints

Waterproof coating

Nergy-saving coating

Market brand support

Market support

Marketing network spreads all over the world

Continuously supplying customers to franchisees

Brand and technical support

China’s powerful brand of industrial coatings

20 professional operations

Strong technical team

Policy Support

01 Diversification of cooperation policies

Exclusive management rights and independent downline development; BAYD is positioned as a service-oriented enterprise, BAYD exits sales in franchised dealer areas, customer resources are transferred free of charge, and business consulting and guidance for engineering projects is provided; assists dealers with marketing guidance, etc.

02 The company supports diversity

We provide support for major projects, price support, business information support, production technology support, daily business support, fund allocation support, and advertising support in various media all year round.

03 Diversification of cooperation methods

Self-operated distribution, direct project sales, project cooperation, profit sharing, etc.

04 Diversified reward methods

A variety of incentives to win profits and promote development: as long as the sales are rewarded; the more sales, the more rewards.

Service Support

Full consultation and full cooperation

In order to provide high-quality after-sales construction services to customers, BAYD has established a technical team and a construction team, and formulated a complete set of coating operation specifications and a three-level engineering inspection management system.
According to the customer’ s project design requirements and capital budget, we provide customers with the best solutions and gold medal services.

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