



High Performance Polyurethane Flooring System



Company Profile >>>

Guangdong Bayide New Material Technology Co., Ltd. was established in 2015. It is one of the high-tech floor coating production enterprises with research and development, production, sales, engineering, design and construction. We operate in 101 countries worldwide. The company has a high reputation, more than 160 people quality management and elite sales team; 5 professional senior technical personnel; 3 application engineers, 2 postdoctoral. At present, it is one of the largest floor coating manufacturers in China.

In 2018, the company invested 130 million yuan in China Zhugui Chemical Park, covering an area of 50 acres, with a building area of 22,000m², and an annual output of 100,000 tons of environmentally friendly floor coatings afterput into production. Our products cover: water-based polyurethane coatings; anti-static coatings; Glossy thin polyurethane mortar self-leveling floor coating; Anti-slip polyurethane mortar floor coating ;Anti-static polyurethane mortar self-leveling floor coating etc.



Bayide's water-based polyurethane mortar floor system is a complex floor system composed of organic polymer materials and inorganic concrete materials. Its composite has wear resistance, heavy load resistance, cold and heat shock resistance, moisture hydrolysis resistance, anti-skid and anti-corrosion, mildew-proof, easy to clean, explosion-proof and anti-static and other excellent properties. It is suitable for clean processing sites with strict requirements. It is the best comprehensive performance of the floor products currently in floor applications in the world.

Application advantages of Bayide products

PERFORMANCE ADVANTAGE

- Resistant to moisture and hydrolysis-----Suitable for all humid processing environments.
- Anti-skid and easy to clean - unique molecular structure and various surface anti-skid textures can meet anti-skid requirements in different clean environments.
- Resistant to high and low temperature differences-----can meet the clean environment of large temperature differences from -30°C to 130°C.
- Chemical resistance-----it can resist organic acids, alkalis and most solvents commonly used in food processing
- Environmentally friendly and anti-mildew-----Low VOC, environmentally friendly and pollution-free, the product can inhibit the growth of most bacteria.

Explosion-proof and anti-static ----- It solves the industry problems of traditional resin anti-static floor having insufficient wear resistance, unstable conductivity value, and low cleanliness of inorganic anti-static floor. It achieves wear resistance, compression resistance, cleanliness and environmental protection, and long-term stable conductivity value.

Polyurethane flooring system specifications ✓

Model No.	Thickness	Product Description	Application scope
BAYD-BT	0.3-0.5mm	Polyurethane mortar flat coating	Food and beverage, biopharmaceuticals, daily chemicals, etc.
BAYD-BF	1.0-2.5mm	Thin polyurethane mortar self-leveling floor coating	Food and beverage, biopharmaceuticals, daily chemicals, logistics and warehousing, hardware machinery, electronic circuits, parking garages, etc.
BAYD-BF-L	1.0-2.5mm	Glossy thin polyurethane mortar self-leveling floor coating	Food and beverage, biopharmaceuticals, daily chemicals, logistics and warehousing, hardware machinery, electronic circuits, parking garages, etc.
BAYD-MF	3.0-6.0mm	Universal polyurethane mortar self-leveling floor coating	Food and beverage, biopharmaceuticals, daily chemicals, logistics and warehousing, hardware machinery, electronic circuits, parking garages, etc.
BAYD-TF	6.0-12.0mm	Heavy load and high temperature resistant polyurethane mortar floor coating	Food and beverages that require clean processing environments and heavy load areas that require high temperature resistance.
BAYD-AF	3.0-6.0mm	Anti-slip polyurethane mortar floor coating	Food, meat, oil refining etc. that require a clean processing environment, areas with high safety and anti-skid requirements, parking garages, etc.
BAYD-CF	2.5-4.0mm	Anti-static polyurethane mortar self-leveling floor coating	Electronic circuits, petrochemicals, new energy industries and other explosion-proof areas that require anti-static.
BAYD-WR	4.0-6.0mm	Arc wall corner skirting	Food and beverages, biopharmaceuticals, daily chemicals, etc. that need to avoid sanitary blind spots and improve cleaning standards.

Use in high temperature and humid areas from +130°C to -30°C



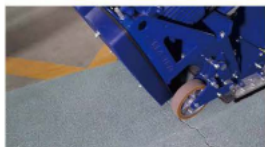
Concentrated heavy load clean areas with frequent traffic (areas with more impacts)



Polyurethane floor coating construction process

Construction base treatment ☑

Roughening of
the base layer



Sandblasting or
grinding
treatment

Create anchor
grooves



Use grooving equipment
with dust suction function
to create anchor grooves.
The depth and width of the
grooves should be twice
the thickness of the ground
construction.

Construction of
primer layer



Construction of
water-based
polyurethane mortar
primer layer

Construction of
top layer



Construction of
water-based
polyurethane mortar
surface layer

Surface
treatment



The surface is finally
with defoamed
treatment

Before construction



After construction



Polyurethane floor system solutions ☑



Food, Beverage, Biopharmaceuticals

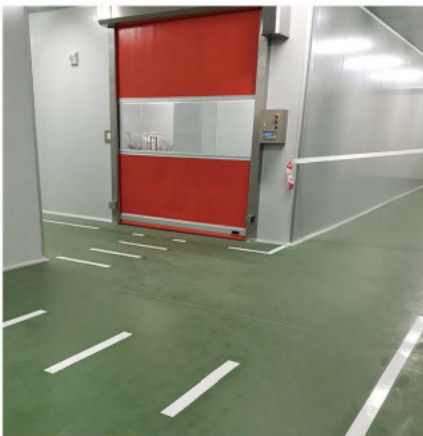
Recommended solution:

BF/MF

AF/TF

WC

Application advantages: Suitable for humid processing environments, purified processing areas with large temperature differences and anti-corrosion requirements



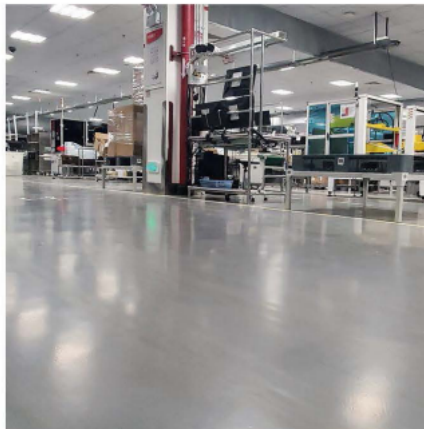
Warehousing, logistics, smart garage

Recommended solution:

BF/MF

AF

Application advantages: wear-resistant and heavy-load resistant, long service life, easy to clean and maintenance-free, reduce tire squealing when turning, and reduce the number of ground repairs and renovations



Precision hardware, electronic circuits

Recommended solution:

BF/MF

CF

Application advantages: wear-resistant and impact-resistant, explosion-proof and anti-static, mechanically cleanable, resistant to harsh chemical corrosion

Product colors



Medium yellow



Deep yellow



Grey



Sky blue



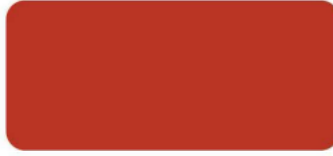
Sea blue



Apple green



Orange Red



Red



Green

(The color of the printed matter is a reference for selection, and the specific color is subject to the actual color delivered. Special colors can be customized with samples)





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