

Polyurethane Mortar Self-leveling

Polyurethane mortar self-leveling floor is a single layer structure, seamless, solvent free, smooth three component polyurethane mortar concrete self-leveling floor. It has a strong impact resistance, wear resistance, chemical corrosion resistance, resistance to hot and humid environment, sanitation and many other excellent properties. There are matte and gloss products.

Recommended for Application

Textile and general machinery industry, food and beverage production areas, refrigeration, cold storage areas, pharmaceutical and chemical plants, tobacco industry, mechanical and electrical tooling industry, aerospace rocket industry, mineral selection industry.

At the grassroots level quality

The cement concrete is dry without wet trace, and the minimum tensile bond strength is >1.5MPa.

Polyurethane mortar floor (standard)

Ingredients (the product consists of three components)

Before adding component A, shake the package to make it evenly mixed. The standard is to leave no precipitation at the bottom of the package barrel.

The C component participates in the chemical reaction of the system, and shall not be added or subtracted at will.

Unused components should be sealed in time. B, C components have strong hygroscopicity, should be used up in time after opening.

Construction operations

The polishing treatment of the base layer is the same as that of the general resin floor layer.

Grooving

Wall edge, equipment base edge 50mm, 200mm away from the pillar edge with a cutting machine to open the ground tentening groove, the depth of the tentening groove is 2-3 times the thickness of the floor, the width is 3-10mm; Root according to the building modulus (column to column) or extension of the original expansion joint open tensioning groove (tensioning groove from tensioning anchorage).

Primer Sealed Treatment

Use the polyurethane mortar self-leveling material to scrape 1-2 times, or use the special material for the back cover rolling or scraping the back cover 1-2 times.

Note: when the cement asbestos plate is made of sample blocks, the surface of the cement asbestos plate with the thickness of 4-12mm is dense, smooth and smooth, and the surface ash can be removed without sealing treatment.

Topcoating application

Ingredients mixing: proportionally mix well and stir well. The use of low speed multi-axis wall scraping mixing effect is better. Stir for more than 2 minutes.

Surface coating: use rake (or tooth trowel) rake (or trowel) cable green polyurethane mortar self-leveling material. Mixed material in 5-10 minutes to finish coating, the shorter the time, the better the leveling, stubble effect.

When the coating thickness is 4mm, the height of the rake fulcrum is about 4.5mm.

Defoaming treatment: with the needle wheel defoaming stick rolling, with the coating at any time follow up defoaming.

Performance Indicators

- Wear resistance (750g/500r)
- Slip resistance (coefficient of dry friction)
- Impact resistance (level 1), 1000g steel ball height 100cm, no crack, no peeling film
- Water resistance (168h), no foaming, no peeling, allow slight discoloration, recovery after 2h
- Oil resistance (120# solvent sand oil, 72h) no foaming, no peeling, allow slight discoloration
- Alkaline resistance (20%NaOH, 72h), no foaming, no peeling, and allows slight discoloration
- Acid resistance (10%H₂SO₄, 48h) No foaming, no peeling, allows slight discoloration

In the humid environment of production and processing areas, it is necessary to have a suitable floor surface to meet the requirements of cleanliness, chemical erosion prevention, safety, efficiency and protection of concrete floor. Polyurethane mortar concrete floor surface layer, long-term, stable and multiple functions well solve the difficult problems difficult to solve other floors.

High temperature, damp and hot, low temperature cold chain industry floor

Most general resins such as epoxy used in the floor begin to soften within the range of 50-60°C, while polyurethane resin systems begin to soften above 130 °C. When combined with the high-strength foundation, the floor system formed can withstand the test of resin floor such as boiling water outflow, hot oil splashing, dry hot goods stacking, hot tank baking, and can also withstand the thermal shock of up to 150°C, such as high-temperature liquid sputtering, high-pressure steam purging, etc.