

F11 聚合物防水砂浆

F11 Polymer Waterproof Mortar

主要适用于工业与民用建筑的防水工程

Mainly applicable to industrial and civil buildings
waterproofing project



Provider of comprehensive solutions for
concrete disease control

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This product is a new generation of high-performance waterproof material compounded by imported polymer, high-quality cementitious materials, selected fine aggregates, ultrafine active filler and other functional additives, widely used in industrial and civil building waterproofing projects.

产品特性

Product features

- ◆ Good waterproof and anti-seepage effect.
- ◆ High bonding strength.
- ◆ Strong corrosion resistance.
- ◆ Good resistance to high temperature, aging and freezing.
- ◆ The product is non-toxic and environmentally friendly.
- ◆ Easy to use, just add water.

适用范围

Scope of application

- ◆ Waterproofing and seepage control of external walls, roofs, basements, piles and other parts of the waterproofing and seepage control project;
- ◆ Waterproofing and anti-seepage projects for buildings such as drinking pools, swimming pools, chemical tanks, sewage treatment tanks, etc.
- ◆ Waterproofing and anti-seepage works for various underground projects such as tunnels, subways, human defense, mines, cable trenches, etc.
- ◆ Chemical warehouses, grain reserves, food warehouses, moisture-proof, seepage-proof projects;
- ◆ Impermeability treatment of reservoir dams, harbors, water channels, chemical pipeline interfaces;
- ◆ Wall anti-seepage plastering or painting of porous materials such as aerated concrete and hollow bricks.

性能指标

JC/T 984-2011 "Polymer Cement Waterproofing Mortar"

Performance metrics

Serial number	Item	Performance index	
1	Coagulation time	Initial coagulation / min \geq	45
		Final coagulation/h \geq	24
2	Impermeability pressure (coating specimen)/MPa	7d \geq	0.5
3	Impermeability pressure (mortar specimen)/MPa	7d \geq	1.0
		28d \geq	1.5
4	Compressive strength/MPa	28d	24.0
5	Flexural strength/MPa	28d	8.0
6	Flexibility (lateral durability)/mm	28d	1.0
7	Bond strength/MPa	7d \geq	1.0
		28d \geq	1.2
8	Alkali-resistant		No cracking or peeling
9	Heat resistance		No cracking or peeling
10	Frost resistance		No cracking or peeling
11	Water absorption %	\leq	4.0
12	Shrinkage %	\leq	0.15

施工工艺

Construction process

I. Slurry Preparation.

According to the proportion of 100 kilograms of dry materials plus 20 kilograms of water, with a hand-held electric mixer or manual mixing can be used. The prepared waterproof mortar is best used up within 2 hours at room temperature.

II.The construction process.

① Base surface treatment: the grass-roots level should be flat, solid, surface dust, dust, oil, etc. should be removed, water seepage parts should be treated with leakage plugging materials, for metal, plastic pipe contact with different materials around the parts should be polished clean. Grass-roots level is too dry, can be first wine wet, no water can be carried out when the next construction. (2) waterproofing mortar construction: A, with a spatula or hard brush to mix the slurry evenly scraped or brushed on the grass-roots level, the thickness is generally 3-5mm; she works under the seepage: 5-8mm; large area of the construction can be sprayed with machinery to improve the construction efficiency. b, polymer waterproofing mortar need to be constructed in layers, the thickness of the construction of a not more than 10mm for the declaration, to be the first layer of the first condensation, and then wipe the second layer, until the design thickness (initial condensation), and then wipe the second layer. Until the design thickness (initial condensation 4 hours, final condensation 8 hours); C, before and after the two construction direction should be criss-crossed, so as not to miss the brush. D, construction 24 hours after the need for wine and water maintenance, maintenance time depending on the site temperature conditions, room

包装贮存

Packaging and storage

Packed in composite bag, 25kg/bag; stored in ventilated dry place, preservation period 3 months.