

General Purpose K11 Flexible Waterproofing Slurry

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Product Overview

Universal K11 waterproof slurry is a two-component, acrylic polymer-modified cementitious waterproofing material. Due to its permeability and flexibility, it blocks water penetration. The film also has excellent adhesion to concrete and mortar, forming a tight and reliable bond, resulting in superior waterproofing performance This product is non-toxic and environmentally friendly. It inhibits mold growth and prevents salt contamination. Application is simple and not subject to site constraints. It can be applied on damp substrates. Economical and practical.



Product Features

- Has certain flexibility – suitable for waterproofing where slight vibration or micro-cracking may occur.
- Can be applied on damp substrates.
- Can be used on both positive and negative side waterproofing with equally excellent results.
- Penetrates into substrate capillaries – blocks pores, eliminating leakage.
- Strong adhesion – bonds firmly to the substrate surface, preventing blistering and remaining bonded even under external forces.
- Good breathability.

Applications

Can be directly applied on damp or dry substrates such as brick, mortar, concrete, metal, wood, various insulation layers, and various waterproofing layers (e.g., asphalt, rubber, SBS, APP, polyurethane, etc.).

Can be used on all types of new and old buildings and structures (e.g., houses, bathrooms, below-grade works, tunnels, bridges, pools, reservoirs, etc.).

Application Method

- The substrate must be firm, clean, and free of oil, loose materials, etc.
- For larger cracks, pores, pinholes, and gaps around pipes, first fill and smooth with repair mortar. Internal and

external corners shall be rounded. A layer of non-woven fabric reinforcement shall be added at details.

- Newly poured concrete or plastered substrates shall be fully dried and stable before application. Dampen the substrate before application, but without standing water.

Substrate preparation

- The substrate shall be solid, flat, clean, free of dust, oil, concrete release agent, and debris.
- For oil-contaminated substrates, scrub with a 10% sodium hydroxide solution, then rinse thoroughly with clean water.
- Any hollow, loose, or sharply protruding areas shall be removed and repaired with polymer cement mortar.
- Internal and external corners are recommended to be rounded or chamfered.
- If the substrate has defects or leaks, they must be properly treated before proceeding with waterproofing application.

Performance

Complies with standard JC/T984-2011.

No.	Parameter (I)	Parameter (II)
1	Tensile strength MPa ≥ 1.2	Tensile strengt hM Pa ≥ 1 .8
2	Elongation% ≥ 200	Elongation% ≥ 80
3	Water impermeability 0 .3 MPa、30min	Water impermeability 0 .3 MPa、30min
4	Low temperature flexibility℃ -10	Low temperature flexibility℃ -10
5	Heat resistance℃ 100	Heat resistance℃ 100