Aquapre KS-14

Two Component, Epoxy Resin Primer For Damp Conditions

Product Description

Component A of this product consists of epoxy resin and various additives and solvents, while component B consists of modified amine and various additives. This product is suitable for application on damp substrates, exhibits strong penetration and reliable adhesion, and bonds well with polyurea products. It is used to address the potential problem of polyurea delamination caused by poor adhesion between polyurea and various substrates.

Product Specifications

22kg/set (Component A: 18kg, Component B: 4kg)

Where To Use

In polyurea coating projects, it is used as a sealing primer for concrete substrates.

Recommended dosage

Under normal strength conditions of the concrete substrate, the dosage is approximately 0.3 kg/m² to 0.35 kg/m². (Note: This data is based on calculations under standard test conditions and is for reference only. The actual dosage will depend on the actual site conditions.)

Product Features

- It cures in damp environments and can be applied to damp substrates (without standing water).
- It has strong penetration ability, effectively sealing pores, micropores, and fine cracks in the substrate.
- It has reliable adhesion and strong bonding force; the resulting coating has low shrinkage and good toughness.

Construction process

- Surface Preparation: Clean the substrate surface before use. The surface should be free of standing water, dirt, dust, oil, and other contaminants.
- Weighing: Weigh components A and B separately into clean containers according to the product's mixing ratio: A:B = 4.5:1 (by weight).
- Mixing: Stir thoroughly using a mixing tool until homogeneous.
- Application: Can be applied by roller, trowel, or brush.
- Curing: After application, allow 24 hours for curing before proceeding to the next step (the next step can only be applied when the surface is dry enough to allow people to walk or stand on it).

Storage and Transportation

- During transportation, protect from direct sunlight and rain, keep away from fire sources, prevent collisions, and keep the packaging intact;
- This product should be stored in a sealed container in a cool, ventilated, and dry warehouse, and must not come into contact with fire sources;
- Under normal storage and transportation conditions, the ambient temperature should be 5℃~35℃, and the shelf life is 12 months from the date of production.

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Technical Information

No.	ITEM	REQUIREMENT
		Paint
1	State in the container	After stirring and mixing, there are no lumps and the mixture is homogeneous.
2	Non-volatile matter content /% ≥	≤5
3	Surface dry/h ≤	4
4	Total dry/h≤	24
5	Coating appearance	Normal
6	Adhesion/MPa≥	1.5
7	Alkali resistance [immersion in saturated $Ca(OH)^2$ solution for 360 hours]	No abnormalities
8	Water resistance (360h)	No abnormalities

Attention

- Components A and B must be weighed according to the mixing ratio and thoroughly mixed with a mixer;
- The prepared material must be used within 1 hour;
- It is recommended to apply the material at an ambient temperature of 10℃-30℃ and a relative humidity of 85%, and the substrate temperature must be at least 3℃ above the air dew point temperature;
- Unused components A and B must be kept away from cross-contamination. The product should be stored in a sealed container in a cool, dry place at room temperature;
- Avoid contact with skin and eyes. If contact with skin occurs, wash with an appropriate cleanser. If contact with eyes occurs, flush with plenty of water and seek immediate medical attention;
- Ensure good ventilation at the construction site, keep away from sparks, and prohibit smoking.

CKS Global Building Materials Service Provider

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