VASA® Waterproofing 2C200

High-performance Waterproofing Slurry

Product Manual

DESCRIPTION

VASA Waterproofing 2C200 High-Performance Waterproofing Slurry consists of an organic liquid made from high-quality polymer emulsion and various additives, and an inorganic powder made from high-quality cement and various fillers. The liquid and powder are mixed in a certain proportion and applied to the base layer, offering easy application, long working time, and high bonding strength.

WHERE TO USE

- Suitable for stable, non-vibrating base layers.
- Moisture-proofing for corners of houses, basements, etc.
- Waterproofing for kitchens and bathrooms.

FEATURES AND BENEFITS

- Can be directly applied to damp base layers without visible water.
- Excellent permeability resistance.
- Fast drying of the coating film, saving time and labor.
- Good adhesion to the base layer, high bonding strength.

PRODUCT INFOMATION

Complies with JC/T 2090-2011 "Polymer Cement Waterproof Slurry" Type I standards. Key indicators are as follows:

NO.	ITEM		Tecnical Indicator
			Type □
1	Drying Time/h	Surface dry	≤4
		Thorough dry	≤8
2	Permeability Pressure /MPa		≥0.5
3	Flexibility	Lateral deformation ability/mm	≥2.0
4	Bonding Strength/MPa	Without treatment	≥0.7
		Heat treatment retention rate	≥0.7
		Alkali treatment retention rate	≥0.7
		Water immersion treatment rate	≥0.7
5	Compressive Strength/MPa	28d	≥12.0
6	Flexural Strength/MPa	28d	≥4.0
7	Alkali Resistance	No cracking or peeling	
8	Heat Resistance	No cracking or peeling	
9	Freeze-thaw Resistance	No cracking or peeling	
10	Shrinkage Rate (%)	≤0.3	

TECNICAL INFOMATION

Product Technical Parameters	Packing Specification	7.88kg/ barrel of liquid material +26kg/ bag of powder material
	Character	Milky liquid material + gray powder material
	Executive Standard	JC/T 2090-2011 Type I
	Shelf Life	12 months when stored unopened in a cool, dry place.
	Mixing Ratio	Liquid: Powder = 1:3.3 (weight ratio)
Construction Technical Parameters	Construction Tools	Brush, roller
	Operable Time	The evenly mixed paste should be used within 1 hour
	Operable Environment	Temperature 5-35°C. Avoid a thick coating, it can not be immersed in water for a long time, can not be exposed to use
	Consumption	2.0kg/m²/mm

APPLICATION PROCEDURE

Preparation and Tools

Main tools required for waterproofing construction include electric mixers, mixing buckets, brushes or rollers, masking tape, mesh cloth, tape measures, ink line boxes, or laser levels.

Construction Process

① Substrate Treatment

The waterproof base should be flat, solid, free of visible water, dust, and oil, with no sharp protrusions, pits, honeycombs, hollows, or loose particles.Use leak-stopping mortar to treat the arcs of corners.Seal materials in reserved grooves at cracks, base deformation seams, and pipe roots, and apply additional waterproof treatment.Wet or apply interface agent to base layers with high absorption rates.Roughen the surface with cement-based interface agent if the base is smooth.Reinforce and repair loose base layers based on the actual site conditions.

② Slurry Mixing

Pour the liquid into the mixing bucket, slowly add the powder while stirring, and mix with an electric mixer until even and lump-free. Let the mixed slurry sit for 3-5 minutes, then stir again with the mixer before use.

③ Details additional waterproof layer construction

Before large-scale waterproof construction, at the nodes such as Yin and Yang corners, pipe roots and floor drains, first apply the slurry with a brush, then add a mesh cloth to strengthen the layer, and paint the waterproof slurry again (note that the slurry must be soaked into the mesh cloth).

④ Large surface coating waterproof layer construction

Before painting construction, the base should be fully wetted, but there can be no clear water, the base to keep wet is conducive to the performance of the slurry, easier to construction, but also make the bonding effect better.

After each drying (generally 4 to 6 hours), the next brush can be painted, and the direction of the brush is perpendicular to the direction of the previous brush. The corner and the root of the pipe should be coated again, and the waterproof coating film should be fully coated, uniform, and without omission;

The total thickness of the waterproof layer should be 1.5-2mm, and the thickness of the construction coating should be carried out in accordance with the requirements of the design document. If the design is not required, the technical engineer of our company should be consulted.

⑤ Quality inspection and acceptance

When the waterproof layer is completely dry and the thickness of the coating meets the requirements, the closed water test can be carried out for more than 48 hours of maintenance.

The kitchen, bathroom and other areas are closed water test: seal the door and the water outlet, the highest

water storage depth is not less than 20mm, the water storage time is not less than 24 hours, check no leakage point, is qualified.

⑥ **Protection and isolation layer construction**

After the coating waterproof layer is accepted, the protective layer can be constructed according to the relevant specifications or design requirements.

- **Application Guide**

CAUTIONS

- The temperature during construction should be 5℃ -35℃, avoid construction in high temperature, direct sunlight and other environments; During the construction and maintenance period, frost, rain and strong wind are strictly prohibited from blowing directly on the construction surface.
- The prepared slurry should be used within 1 hour, and it is strictly prohibited to continue to use after more than 2 hours; It is forbidden to add water or liquid material or powder material again during the brushing process;
- Mixing good slurry may appear powder settling phenomenon, it should be used at any time before mixing evenly; Pay attention to protect the waterproof film from damage;
- The liquid material or powder that is not used up after opening should be stored sealed.

Transportation and Storage

- Avoid sun, rain, moisture, cold and bump during transportation and storage; It should be stored in a cool and dry warehouse with a storage temperature of 5-35 °C. When the temperature is lower than 5 ° C, the liquid material should be well insulated.
- Under normal transport and storage conditions, the product storage period is 12 months.

SAFETY INSTRUCTIONS

The product contains cement, which can be irritating to eyes and skin. Wear necessary protective gear during application. In case of accidental contact with eyes, rinse immediately with water and seek medical attention.

REMINDER

The stretch wrap and bottom wooden pallet provided at the factory will better protect the product from water, dust, and moisture, as well as protect the packaging. Please do not damage them before use! (Stretch wrap and wooden pallets are not provided for small quantities).

WARNING

The technical information and recommendations presented in this report are founded on our utmost knowledge and expertise. However, it's important to recognize that all the aforementioned details serve as guidance and should be validated through extensive real-world application. As such, individuals intending to utilize the product must conduct thorough assessments of its compatibility with the specific intended use. It is paramount to emphasize that the user assumes sole accountability for any ramifications arising from the product's utilization.

LEGAL NOTICE

The information within this Technical Data Sheet ("TDS") can be transferred to another document relevant to the

project. However, the resulting document must not supersede or substitute the requirements specified in the current TDS during the installation of VASA products. The latest version of the TDS is available for download from our website www.vasa.top.

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