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# JOABOA® JS Polymer Cementitious Waterproofing Coating

## ● PRODUCT INTRODUCTION

JOABOA JS polymer cementitious waterproofing coating is two-component macromolecule water-based coating, which consists of macromolecule emulsion and cement as main raw materials, various inorganic materials and additive. It has excellent weatherability, strong adhesion, high strength, and be innocuous & odourless. It meets the harmful materials limit of building interior decoration GB50325-2001, living up to environmental-friendly needs.

## ● PRODUCT FEATURE

- Can be applied on both dry and wet substrates, performing high adhesion
- No pollution and harmless, can be applicable to drinking pool's waterproofing.
- Work together with other various waterproofing coating and membrane. Live up to different levels waterproofing projects.
- Compared with other similar products, it shows better water resistance and longer waterproof.

## ● TECHNICAL INDEX

Standard: GB/T23445-2009

Item		Technical Index		
		Type I	Type II	Type III
Solid content /%		≥ 70		
Tensile strength retention rate	No treatment/MPa	≥ 1.2	1.8	1.8
	Heat treatment /%	≥ 80	80	80
	Alkaline treatment /%	≥ 60	70	70
	Soaking treatment /%	≥ 60	70	70
Elongation at break	UV treatment /%	≥ 80	—	—
	No treatment /%	≥ 200	80	30
	Heat treatment /%	≥ 150	65	20
	Alkaline treatment /%	≥ 150	65	20
	Soaking treatment /%	≥ 150	65	20
Low temperature flexibility (Ø10mm)		-10℃ No crack	—	—
Bonding Strength	No treatment /MPa	≥ 0.5	0.7	1.0
	Moist substrate MPa	≥ 0.5	0.7	1.0
	Alkaline treatment /MPa	≥ 0.5	0.7	1.0
	Soaking treatment / MPa	≥ 0.5	0.7	1.0
Impermeability (0.3MPa, 30min)		Impermeable	Impermeable	Impermeable
Anti-permeability (negative side water) /MPa		—	0.6	0.8

## ● CONSTRUCTION REQUIREMENT

- Make sure substrates are leveled, firm, clean and no visual water. Any cracks should be repaired first. Internal & external corners need to camber. And dry substrates should be moistened.
- If necessary, mix emulsion with water at the weight ratio of 1:1, then brush the mixture on the substrates.
- Add power into the JS slowly, stirring the mixture evenly until uniform with electric mixer for 5 mins. Proportioning of waterproofing coating: Weigh materials as emulsion/cement=1/0.8(type I) or 1/1.2 (type II),or 1/2 (type III). If necessary to dilute with water, make sure the water weight can't exceed the JS's 10%.
- Brush thinly for several times with scraper evenly. The next brushing should conduct after the prior becomes hard drying.
- Application method with fiberglass mesh: Generally needs two times brushing. Place the fiberglass mesh after the first brushing, and keep it leveled. Do the second time brushing after the prior coating film becomes surface drying but not hard drying.

## ● NOTE

- Application temperature bellow 5℃ or outside application in rains are not allowed.
- Keep the application environment ventilated and had better use up the coating within 30mins.
- Seal the rest materials and avoid the powder being damp.
- Storage JS in the warehouse whose temperature is not less than 5℃. Products shelf life is 6months.

## ● APPLICATION RANGE

- Mainly used in new and old building's roofs, basements, exterior walls, tunnels, channels, drinking pools, pools, cooling ponds, kitchens and toilets, bathrooms and balconies.

## ● PACKAGE SPECIFICATION

- Emulsion: 20 kg per pail
- Powder: 20 kg per bag

