

SELF-REPAIRING WATERPROOF COATING



Description

Self-repairing waterproof coating is the latest new intelligent high-tech waterproof coating developed by our company, which is made out of the organic liquid of Polymer copolymer emulsion and auxiliaries fillers, mixed with the special powder additives. Self-repairing water coating can not only function as waterproof layer but also can repair the water leakage automatic under the erosion of water, it is able to increase the liability of waterproof system.

Usage

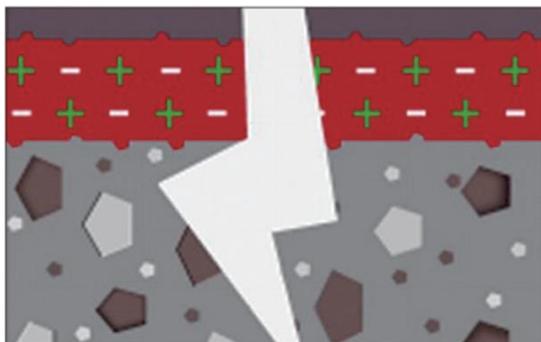
- Underground construction.
- Corridor.
- Kitchen.
- Bathroom.
- Pool and dam (suitable for drinking water project).

Advantages

- Environmentally-friendly materials, harmless to surroundings and humans.
- Self-repairing automatic under the erosion of water, save the cost of maintenance.
- Good aging resistance: outstanding outdoor durability, high tensile strength and high elongation.
- Mix in proportion for easily applying.
- Good adaptability to shrink deformation and cracking of the substratum.

Microcapsule principle

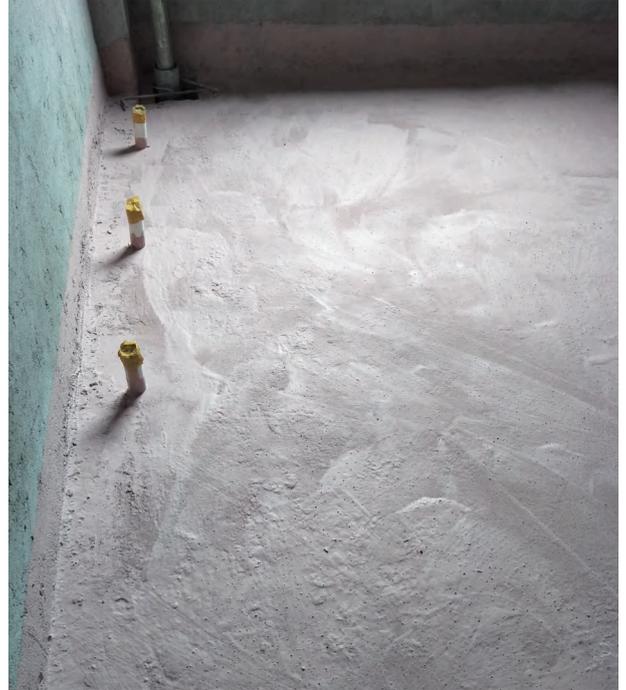
- Waterproof layer is split apart when concrete begins to crack.
- The expansion material expands when it meets water, making the crack of waterproof layer shrunken.
- The microcapsules rupture to form crystals and fill the shrunken cracks.
- Completely repairing.



Application

- a The surfaces must be kept flat, film, clear and non-smear. The relatively large pitting and crevice should be mended with water-stopping mortar. In-ternal/external corner and tube root shall be made into circular arc with cement mortar.
- b The material should be weighed and stir evenly.
- c Apply by roller or brush and keep the paintcoat thin and evenly.





Attentions

- Construction should not be less than 5°C degrees or in the rainy day.
- Surface decoration construction should applied after waterproof coating completely solidification, completely solidification time is about 2 days, moist environment should be extended appropriately.
- Liquid should be sealed and stored in a cool place above 5 °C, powder should be stored in dry place.
- Shelf life is about 6 months.

Technical Index

Standard: JC/T 408-2005

NO.	Items	Index	
1	Solid content/% \geq	70	
2	Tensile strength (Mpa) \geq	No treatment, Mpa	1.8
		Heat treatment %	80
		Alkaline treatment %	70
		Soaking treatment %	70
3	Elongation at break \geq	No treatment %	30
		Heat treatment %	20
		Alkaline treatment %	20
		Soaking treatment %	20
4	Bonding strength \geq	No treatment, Mpa	1
		Heat treatment, Mpa	1
		Alkaline treatment, Mpa	1
		Soaking treatment, Mpa	1
5	Impermeability	0.3 MPa , 30mins no leakage	
6	Self-repairing time \leq	24h	
7	Anti-permeability(Mpa) \geq	0.8	

Technical support

For more information, alternative applications or alternative proposals, please contact our Technical Department at the email address below.

Storage and transportation

During transportation and storage, different types of products should be stacked separately and should not be mixed. Do not approach fire sources, avoid sun and rain, prevent collision, and pay attention to ventilation. Storage temperature 5°C~40°C. Stack up to two layers. Under normal storage and transportation conditions, the shelf life of sealed packaging is 6 months.

Contact us

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