



## Tunnel & Pool & Subway Waterproof (R200)

As a new generation of energy-saving and environment-friendly waterproof materials, sprayed quick-setting rubber asphalt waterproof coating can effectively solve various leakage problems such as channeling, breaking, fracture, and aging, and is recognized as one of the 10 most promising waterproof materials.

Sprayed quick-setting rubber asphalt waterproof coating is also gradually applied to new large-scale municipal projects (such as pipe gallery, subway tunnel, sewage treatment tank) and other major projects related to the national economy and the people's livelihood, as well as waterproof projects such as color steel roof, planted roof, underground engineering, etc.

The component A (rubber asphalt emulsion) and component B (curing agent) of the spray quick-setting rubber asphalt waterproof coating are sprayed out through two nozzles of the special spraying equipment on site. After atomization and mixing (3s surface dry), the emulsion is quickly broken and the water is separated, and then the film is condensed. After drying, a dense, continuous and complete rubber asphalt coating with extremely high elongation, super elasticity, excellent durability, waterproof, anti-corrosion, anti-seepage and protective effects is formed.

It can be sprayed to a thickness of more than 2mm at a time, and the construction is fast and environment-friendly. The maximum construction radius can reach 100m!

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## APPLICATION

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Waterproofing of floor and side walls of various types of industrial and civil buildings, as well as waterproofing and seepage prevention of tunnels, subways, pools, canals, dams, etc.



## FEATURES

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This product is designed and produced in general waterproof material technology according to the special environment of underground structure, construction requirements, and special requirements for waterproof material performance. The product's use environment is not restricted by the north and south regions, and its low temperature resistance can reach  $-20^{\circ}\text{C}$ .

In addition to the basic performance characteristics of sprayed quick-setting rubber asphalt waterproof coating, this product has better resistance to acid, alkali, salt corrosion and biodegradation. Moreover, this product adopts a modified polymer system, which has strong water immersion resistance, impermeability and peeling resistance.

Mechanical spraying construction does not require heating, and there is no bulging phenomenon after spraying. It can be constructed above minus  $5^{\circ}\text{C}$ , and the product will continue to solidify after the temperature rises, and the performance will not change. This product also has good pre-spray anti-adhesive properties, and can be well bonded with post-cast concrete.

## USE VALUE

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- ▶ Excellent waterproof performance, high cost performance, one-time molding, low maintenance and long service life.

## PACKAGE

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- ▶ 1000 kg, 200 kg, 100 kg, 50 kg barrels

## PRODUCT SERIES

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In addition to the above basic performance, users can select the following common or special function products according to the requirements of special application environment:

- ▶ R200 General type
- ▶ R200 PLUS High performance and pre-sprayed anti-adhesive type
- ▶ R200 R Anti-biological, bacteria resistance and mildew resistance type
- ▶ R200 SK Acid, salt and alkali resistant type
- ▶ R200 SD Special type for subway tunnel
- ▶ R200 GD Special type for municipal pipe gallery

# SPECIFICATIONS

Items		Parameters
		R200
Solid Content (% $\geq$ )		55
Heat Resistance ( $^{\circ}\text{C}$ ,no flow,sliding,dripping)		100 $\pm$ 2
Impermeability (0.3MPa,30min)		Impervious
Bond Strength (MPa, $\geq$ )	Standard Condition	0.5
	Wet Base	0.4
Gel Time (s, $\leq$ )		5
Surface Dry Time (h, $\leq$ )		-
Actual Dry Time (h, $\leq$ )		24
Elastic Recovery Rate (% $\geq$ )		85
Water Tightness of Nail Rod		No water seepage
Water Absorption (% $\leq$ ,24h, $\leq$ )		2
Low Temperature Flexibility ( $^{\circ}\text{C}$ ,no crack or fracture)	Standard Condition	-20
	Heat Treatment	-15
	Acid Treatment	-15
	Alkali Treatment	-15
	UV Treatment	-
Tensile Strength (MPa, $\geq$ )	Standard Condition	0.8
	Immersion for 168h	0.5
Elongation at Break (% $\geq$ )	Standard Condition	1000
	Heat Treatment	900
	Acid Treatment	900
	Alkali Treatment	800
	UV Treatment	-
	Immersion for 168h	800