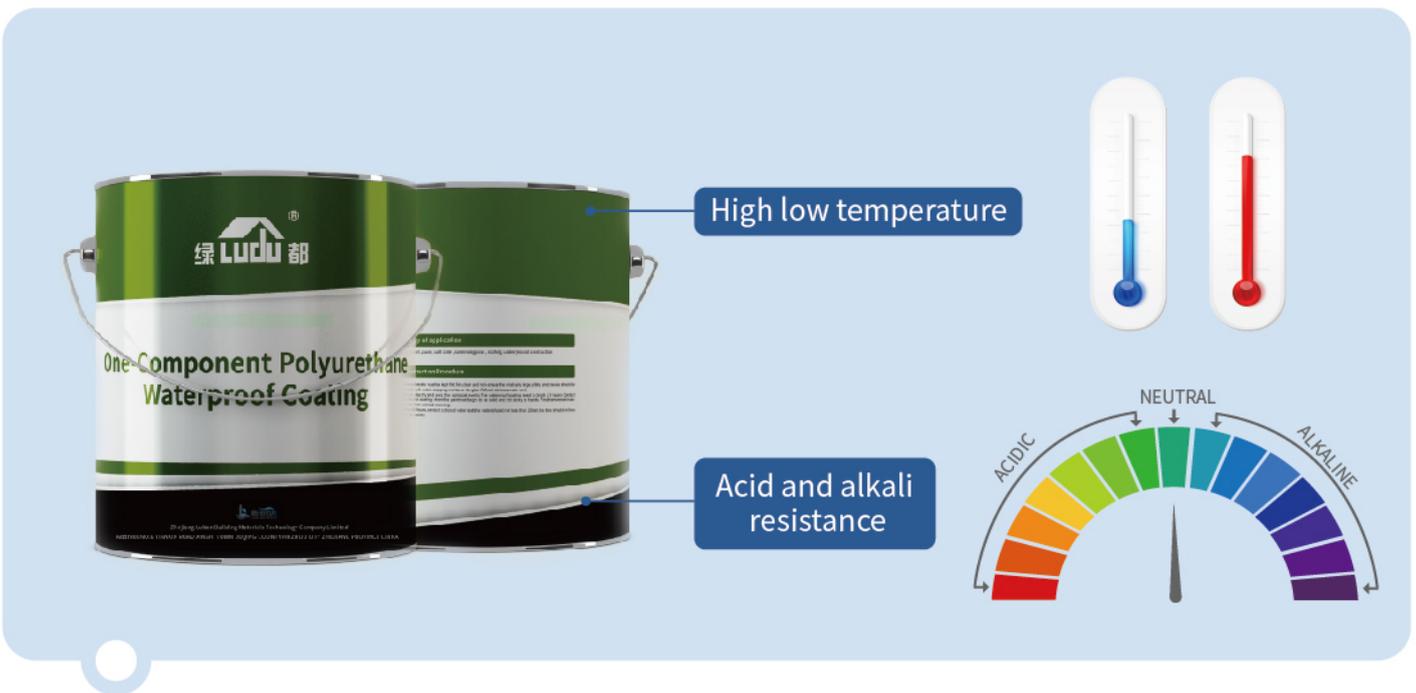


ONE-COMPONENT POLYURETHANE WATERPROOF COATING



Description

One-component polyurethane waterproof coating is a high molecular waterproofing coating which made out of the main materials of isocyanate, mixed with various additives. By reaction with atmospheric moisture, it will cure and become nontoxic, high elasticity waterproof material.

Usage

- Roof waterproofing projects.
- Underground waterproofing projects.
- Waterproofing of pipe galleries, kitchens, bathrooms, pools, etc.

Packing

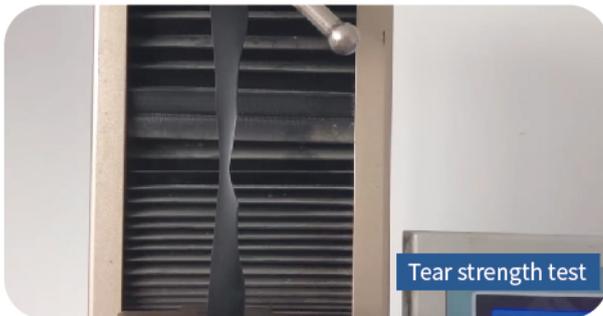
One-component polyurethane waterproof coating is available in 20kg/pail.

Reference dosage

Under normal conditions, when the thickness of the waterproof layer coating is 1.0mm, the recommended dosage is about 1.6kg/ m² -1.8kg/ m² (the actual dosage depends on the base condition and coating thickness).

Advantages

- It chemically reacts with moisture in the air to form a flexible rubber waterproof coating, which is dense, without pinholes or bubbles.
- High strength, large elongation, good rubber elasticity and resilience, and strong resistance to deformation of the base layer.



Tear strength > 17MPa

standard data: 15MPa



Tensile strength > 2.5MPa

standard data: 2.0MPa

Elongation at break > 700%

standard data: 500%

- Resistant to water erosion, chemical erosion, and mold.

- Single component, ready to use and convenient to use.
- Safe and environmentally friendly, free of toxic solvents such as benzene, toluene, and xylene, and free of coal tar components.

Application

- a The base layer should be solid, flat, clean and dry, with no dust, debris or oil stains on the surface, and the Yang corners should be treated to have no sharp angles.
- b Polyurethane can be applied by scraping or spraying. When applying by scraping, the amount of each coat should be controlled at about 0.7kg. The thickness of the scraping should be uniform. The interval between each coat should be determined according to the temperature and humidity. The first coat should be cured and not sticky. When spraying, the amount of each coat should be controlled at about 1kg according to the spraying equipment. Multiple coats should be applied to reach the designed thickness.



Attentions

- The coating must be tightly used up within two hours.
- Do not construct in sleet and sand blown by the wind. Avoid constructing in high temperature at noon or under 5°C.



Limitation

- Not subject to any traffic and must be protected by protective screed or polystyrene board.
- Do not apply with high consumption than recommended amount.



Safety precautions

We recommend the use of protective gloves during application. If there is contact with eyes and skin, wash immediately with plenty of water. Seek medical assistance immediately.



Technical Index

Standard: GB/T 19250-2013

NO.	Items		Index		
			I	II	III
1	Solid content/% \geq	One-component	85.0		
		Multi-component	92.0		
2	Surface drying time/h	\leq	12		
3	Actual drying time/h	\leq	24		
4	Leveling		No visible teeth marks at 20 min		
5	Tensile strength/MPa	\geq	2.00	6.00	12.00
6	Elongation at break/%	\geq	500	450	200
7	Tear strength/(N/mm)	\geq	15	30	40
8	Low Temperature Bendability		-35 °C,no cracks		
9	Impermeability		0.3 MPa,120 min,impermeable		
10	Heating Expansion Rate/%		-4.0~ +1.0		
11	Bonding strength/MPa	\geq	1.0		
12	Water absorption rate/%	\leq	5.0		
13	Heat treatment (80 °C,168 h)	Tensile strengthretention /%	80~ 150		
		Elongation at break/% \geq	450	400	200
		Low Temperature Bendability	-30 °C,no cracks		
14	Artificial climate aging (1000h)	Tensile strengthretention /%	80~ 150		
		Elongation atbreak/% \geq	450	400	200
		Low Temperature Bendability	-30 °C,no cracks		

Cleaning

Clean all tools and equipment immediately with solvent after application.

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 three layers. Under normal storage and transportation conditions, the shelf life of sealed packaging is 6 months.

Contact us

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*We hope that the information contained herein will be of your assistance. Please follow the instructions in the information before proceeding, and we cannot accept any liability for damage caused by incorrect use. If you require assistance during the process, please contact our service personnel via the contact details above.