

ZB-T60 POLYURETHANE WATERPROOFING COATING (USED AS WATERPROOFING LAYER DIRECTLY)



PRODUCT DESCRIPTION

ZB-T60 two-component polyurethane waterproofing coating is a kind of chemical reaction type waterproofing coating, in which component A is made from polyether and isocyanate, and component B is made up of strengthening agent, plasticizer, thickener, liquid composed of coagulant. Mix component A and B with the weight ratio of 1:1, and brush on the substrate. It can form rubber elastic waterproofing film with high strength and extension after crosslinking curing under common temperature.



PRODUCT FEATURE

- High tensile strength, can be over 6 MPa;
- Excellent elongation, can be over 450%, and with good low temperature property;
- Can be coated thickly. The film is dense, no bubble, and can form continuous seamless complete elastic waterproofing layer;
- Cool application. Apply after fully stirring component A and B according to the ratio, and it is easily.
- No coal tar composition, and chemical reaction forming film;

APPLICATING SCOPE

- Can be used as waterproofing, moisture-proof layer for high speed railway, the viaduct, highway, underground engineering, municipal engineering, such as pool, dams, etc.

PRODUCTS SIZE

ITEM	DESCRIPTION	
TYPE	TWO COMPONENTS	
COLOR	RUST RED	
PHYSICAL STATUS	VISCIOUS LIQUID	
PACKAGE	METAL BUCKET	
SIZE	20 KG/BUCKET	20 KG/BUCKET
COMSUPTION	FOR 1MM THICKNESS, USING 1.4-1.6KG/m ²	

APPLICATION METHOD

- The substrate should be even, no dust, solid, dry and no sharp concave and convex, seal with sealing materials for the cracks, deformation joints, reserved grooves around pipe root, and apply waterproofing reinforcement.
- Primer is suggested for porous substrate, high temperature and high humidity or applying on exposure environment.
- Preparation: mix the component A and B evenly with the weight ratio of 1:1 according to the dosage of construction, with electric mixer. The details should be reinforced well before large area application with fiber mesh.
- Brush or spray: the thickness should be uniform according to the design thickness (normally is 1.5 or 2.0 mm), and coat with 3-4 times. The after coating shall be carried out after completion curing of the previous coating. Brushing or spraying direction should be perpendicular to previous coating.
- The protection layer should be constructed according to design requirements after coating inspection is completed.
- No apply under the weather of raining, foggy, or more than five windy day. And no apply when the temperature is lower than 5 °C, or higher than 35 °C
- Prepare the waterproofing coating according to the progress of the application. And the prepared materials should be used up within 20 minutes.
- The construction site is strictly prohibited fire and smoke.

PACKAGE, TRANSPORTATION AND STORAGE

- The products should be stored in clean, dry, airtight steel buckets.
- Avoid the rain, insolate, extrusion, collision, inversion, and keep the packages are intact when transportation.
- The product should be stored in ventilated, dry, shady and cool place, prevent sun direct illuminate. Storage temperature should not be higher than 40 °C.
- The shelf life is 12 months under the condition of normal storage and transportation.

Implement standard of Polyurethane Waterproofing Coating

NO	Test Items	CRCC Standard (TB/T 2965-2011 & CRCC-13 W-004:2018)
1	Appearance	Non-black color, homogenous viscous mass, no gel, no aggregation
2	Water Impermeability (0.4Mpa, 2h)	impermeable
3	Solid Content	≥ 98%
4	Surface Drying Time	≤4h
5	Hard Drying Time	≤24h
6	Alkali Resistance, Saturated Ca(OH) ₂ Solution, 500h	No crack, no peeling off
7	Bonding Strength with wet substrate	≥ 0.6 Mpa
8	Bonding Strength with concrete	≥ 2.5 Mpa
9	Tear Strength	35.0N/mm
10	Peel strength with concrete	≥3.5N/mm
11	Tensile Strength	≥ 6.0 Mpa
12	Retention rate of tensile strength	Heating treatment: ≥100%
		Alkali Treatment: ≥ 70%
		Acid Treatment: ≥ 80%
13	Elongation at Break	No Treatment ≥450%
		Heating treatment ≥450%
		Alkali Treatment: ≥ 450%
		Acid Treatment: ≥450%
14	Heating expansion 80°C, 168h	-4.0% ≤ rate ≤ 1.0%
15	Low temperature bending property (-35 °C, 2h)	No Treatment, ≤-35 °C, 2h, no crack
		Heating treatment ≤-35 °C, 2h, no crack
		Alkali Treatment: ≤-35 °C, 2h, no crack
		Acid Treatment: ≤-35 °C, 2h, no crack