

Water Based Polyurethane Waterproof Coating

Description

Water based polyurethane waterproof coating is a flexible liquid applied single-pack water based membrane, which is fast drying and has excellent chemical resistance properties. The high performance coating is cold applied and VOC free, non toxic, and no pollutions and the film is seamless and elastic.

Uses

It can be widely coated on wet or dry masonry, mortar, concrete, metal, wood, plastic, glass, plaster board, foam board, asphalt, rubber, SBS membranes, such as roofs, shower room, interior and exterior wall, road, bridge, swimming pool, tunnel, parking, and residential and commercial buildings etc.

Features

- ◆ Environment friendly, free of tar, bitumen, solvents or any hazardous substance
- ◆ High elongation, non-blistering and UV resistant
- ◆ Can be applied on damp surface with strong adhesiveness and watertightness
- ◆ Fast drying and excellent flexibility
- ◆ Suitable for use confined areas, seamless and no joint gap, easy application
- ◆ Good aging and corrosion resistant, long service life



Technical Data: JC/T864-2008

No	Item	Index	
		I	II
1	Solid content, % \geq	65	
2	Dry time, hours \leq	Touch Dry	12
		Hard Dry	24
3	Tensile strength, MPa \geq	1.0	1.5
4	Elongation at break, Normal temperature, % \geq	300	
5	Water impermeability, 0.3MPa *30 min	Impermeable	
6	Bending at low temperature, °C \leq	-10 °C	-20 °C
		No crack	
7	Adhesion strength on damp substrate, MPa \geq	0.5	
8	Heating shrinkage, %	Extension \leq	1.0
		Contraction \leq	1.0

Packing

25kg/pail or customized

Coverage

1mm thickness dry film costs the coatings at 1.8-2.0kg/m², coverage may vary with the substrate conditions during application.

Application instructions

Surface Preparation: Substrates need to be clean, smooth, dry (Moisture <9%), no grit and free of sharp edges, loose or foreign materials, oil, grease and other materials that may damage the coating film. All surface voids greater than 5mm wide, shall be properly filled with an acceptable fill material and level it.

Application: The coating should be applied in two coats directly from the pail. Apply 1st coat to the whole area and allow to cure, approx. 2-4 hours. Apply the 2nd coat in a perpendicular direction to the 1st coat. It can be applied by brush or roller. Normally a minimum of 2 coats is required.

Note: Reinforcement of corners with reinforcement netting where a 90° angle or greater is encountered is advised.

Cleaning of equipment: Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with water.

Storage

Recommended storage temperature is 5°C ~ 40°C; Stored in dry and ventilated conditions and avoid direct sunlight. Keep out of the reach of children.

Shelf life: 12 months

Keep containers covered when not in use.

Safety precautions

Personal protection: Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing if needed.

Eye contact: Rinse immediately with clean water for 15 minutes and seek medical advice.

Waste disposal: Empty containers must be disposed of in accordance with regulations. Reseal containers after use. Do not reuse containers for storage of consumable items.