

## Polymer Modified Bitumen Waterproof Coating for Roads/Bridges

### Description

It is one single component, polymer modified bitumen, cold-applied, liquid waterproofing coating. When cured it forms a permanently flexible waterproof lining to protect roads and bridges. It is a seamless, elastomeric waterproofing membrane for concrete and steel bridge and trafficked decks.

### Uses

Widely coated on roads and bridges constructions, also roofs, shower rooms, interior and exterior wall, tunnel, parking lots, and residential and commercial buildings etc.

### Features

- ◆ Single component, water based, seamless and no joint gap
- ◆ High elongation and excellent flexibility at low temperatures
- ◆ Strong adhesiveness and water tightness, excellent heating resistance
- ◆ Good aging / corrosion / chemical resistance properties, long service life
- ◆ No odor, environmentally friendly, safe to use



### Technical Data: JC/T975-2005

No	Item	Index	
		I	II
1	Appearance	Brown to black paste	
2	Solid content, % ≥	45	50
3	Dry time, 25°C, hours ≤	Touch Dry	4
		Hard Dry	8
4	Tensile strength, MPa ≥	0.50	1.00
5	Heating resistance	140°C	160°C
		No flow, no drip	No flow, no drip
6	Elongation at break, Normal temperature, % ≥	800	
7	Water impermeability, 0.3MPa *30 min	Impermeable	
8	Flexibility at low temperature	-15°C no crack	-25°C no crack
9	Adhesion strength on concrete substrate, MPa ≥	0.4	0.6
10	Heating shrinkage, %	Extension ≤	1.0
		Contraction ≤	1.0

**Packing**

20kg/pail or customized

**Coverage**

1mm thickness dry film costs the coatings at 2.1-2.5kg/m<sup>2</sup>, coverage may vary with the substrate conditions during application.

**Application instructions**

**Surface Preparation:** Substrates need to be clean, smooth, dry (Moisture <15%), 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:** Thoroughly power mix the coating prior to use. The coating should be applied in three to four coats directly from the pail. Apply 1<sup>st</sup> coat to the whole area and allow to cure, approx. 2-4 hours. Apply the 2<sup>nd</sup> coat in a perpendicular direction to the 1<sup>st</sup> coat. It can be applied by brush, roller, spray or squeegee. Normally a minimum of 2 coats is required. If applied as a primer, can be diluted with water.

**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:** 6 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.