

Cation Emulsified Bitumen Waterproof Coating

Description

Cation emulsified bitumen waterproof coating is made from cationic bituminous emulsion, synthetic resins, and mineral stabilizers. It is cold applied, single component product that yields a membrane with excellent strength, elasticity, and adhesion. The high performance coating is VOC free, non toxic, and no pollutions and the film is seamless. It can be used also as a primer if diluted with water.

Features

- ◆ Environment friendly, single component, free of solvents or any hazardous substance
- ◆ High elongation and excellent flexibility
- ◆ Can be applied on damp surface with strong adhesiveness and water tightness
- ◆ Suitable for use confined areas, seamless and no joint gap, easy application
- ◆ Good aging and corrosion resistant, non toxic, long service life

Uses

It can be widely coated on horizontal and vertical surfaces include 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.



Technical Data: JC/T864-2008

No	Item	Index
1	Appearance	Brown to black paste
2	Solid content, % ≥	40-55
3	Dry time, 25°C, hours ≤	Touch Dry
		Hard Dry
4	Tensile strength, MPa ≥	1.5
5	Elongation at break, Normal temperature, % ≥	200
6	Water impermeability, 0.3MPa *30 min	Impermeable
7	Bending at low temperature, -20°C ≤	No crack
8	Adhesion strength on damp substrate, MPa ≥	0.5
9	Heating shrinkage, %	Extension ≤
		Contraction ≤

Packing

20kg/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. Recommended consumption per coat 0.4-0.6kg/kg/m²; As a primer 0.4-0.6 kg/m².

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. 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: 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.