

BITUMAX WATER PRIMER

BITUMAX PRIMER is a brown water based bitumen liquid emulsion that is applied as a first layer of an insulation system, The coating dries to form a black flexible protective film. The finished film forms a tough barrier to water vapor transmission. Once the coating dries, it forms a black flexible protective film, which acts as a tough barrier to water vapor transmission.

KEY FEATURES

- Water-based
- Applicable on damp surfaces
- Acts as a curing compound for concrete as water retention
- Versatile areas of application
- Good Adherence to concrete, metal, wood, etc.
- Cold applied
- Environmentally friendly by being non-hazardous and easily applied
- Non- flammable
- Resistance to attacks of salts and chemicals

APPLICATIONS

BITUMAX PRIMER Is used for general waterproofing and damp proofing of concrete foundations that are in contact with groundwater. It can be also used as a protective coating for built-up roofing systems and on a wide variety of surfaces such as concretes, brick, etc.

INSTRUCTIONS

The application temperature should be between 5°C to under maximum temp 45°C. BITUMAX PRIMER can be applied by brush, roller or airless spray gun.

The general recommended guide lines for the application of the bitumen coating are as follows:

1. Surface preparation

The surface must completely be cleaned to eliminate all impurities like dust, traces of curing compound, oil and grease. The surface imperfections and protrusions must be removed and repaired to create an even surface finish. All structurally uneven and brittle concrete must be removed.

2. Priming

The primer coat can be made at site by diluting the same bitumen emulsion with 15-20% water. Allow the primer to dry before any further coats are applied.

3. Application

Add 5-10% of clean water to damp-proofing and protective coating and stir before application.

Normally two or three coats are required, depending on the degree of protection required. In case BITUMAX PRIMER is going to be covered with screed, it is vital to assure that the final coat first is blinded with clean dry sharp sand immediately after application. Following this procedure, make sure to dry and brush off any excessive sand layer.

4. Cleaning

All tools should be cleaned with clean water immediately after use. Hardened material can be dissolved with a solvent with clean water and hardened material can be clean with a solvent.

COVERAGE

Moisture vapor barrier coating: 1-3 m²/kg/coat. This might differ depending on substrate porosity.

STORAGE AND SHELF LIFE

To guarantee the performance of the product, the drums and pails must be stored in a covered area, away from direct sunlight and other sources of heat, to avoid deterioration of the product which in turn will reduce its shelf life. The shelf life is up to 12 months when stored as per recommendations.

HEALTH AND SAFETY

Protective clothing such as gloves and goggles should be worn when handling the product. In case of any splashes to the skin or eyes, rinse with fresh water immediately. If medical attention is required, ensure that the product container with content details and instructions are available for examination by the medical care personnel.

PACKING

20kg pails

BITUMAX WATER PRIMER

TEST	UNIT	TEST METHOD	RESULTS
Form	-	-	Bitumen liquid emulsion with high viscosity
Color	-	-	Dark brown
Density, gm/cc (specific gravity)	gm/cc	ASTM D 2939	1.05 ± 0.1
Solid content	%	ASTM D 2939	35 ±3
Full cure	hrs	ASTM D 2939	24
Time between two coats	hrs	-	3-4 (depending on temperature)
Application temperature	°C	-	10 °C to under maximum temp 45°C
Heat test	°C	ASTM D 2939	100 ± 3 no blistering, sagging, or slipping
Resistance to water	hrs	ASTM D 2939	24 No blistering or re emulsification
Viscosity	KU	ASTM D 562	100±20