

Water Based Bituminous Primer

Description

Water based bituminous primer is an emulsion of special grade asphalt, minerals and water, which is used for sealing surface pores and promote adhesion of bitumen based waterproofing systems with the substrates, the systems can be liquid, felts or membranes and the substrates are concrete, masonry, asbestos sheet, stones and asphalt surface. It is waterborne and ease of application and environment friendly.

Features

- ◆ Improves adhesion of bituminous waterproofing systems with substrates
- ◆ Good adhesion to moist and dry surfaces, can be applied on wet substrates
- ◆ Excellent bonding and watertightness
- ◆ High build consistency, thick film in single application, no runs or sags on vertical surfaces
- ◆ Resistance to acids, bases, and salt solutions
- ◆ High resistance to freeze thaw cycles
- ◆ VOC free and non-flammable, no toxic, no pollutions

Uses

- ◆ Used as a priming coat before the application of waterproof membranes
- ◆ Commercial and residential internal/external , horizontal/vertical areas
- ◆ Bathroom, kitchen, balcony, basement



Technical Data

Item		Index
Appearance		Viscous past with grey black color
Solid content, % \geq		45
Thermal resistance (test panel at $80 \pm 2^\circ\text{C}$, 6 hrs)		No flow, no dripping, no drift
Adhesivity, $20 \pm 2^\circ\text{C}$ condition, MPa \geq		0.2
Freeze resistance (3 Cycles between -20°C and $+60^\circ\text{C}$, 12 hours)		Pass
Alkali resistance(Immersion at saturated lime solution 168 hours)		No change
Acid resistance (Immersion at 1% sulfuric acid solution 168 hours)		No change
Flexibility	Bending test at 0°C and 70°C , 5 seconds	No crack
	ϕ 10mm, -10°C	No crack
Water tightness, 0.3MPa * 30min		Impermeable
Drying time, 20°C		Touch dry 1 hour, Hard dry 8 hours

Packing

20 Kg/pail and 200Kg/drum.

Application

Surface preparation: The surface should be thoroughly cleaned to remove loose dust, foreign particles, laitance, oil and other contaminants.

Application: Stir contents well before use. Apply the primer by brush or roller to the substrates uniformly and cover entire surface. Based on required consistency, the primer can be mixed with water maximum in 1:1 ratio. Whenever multiple coats are used, allow 24 hours drying time between successive coats.

Never apply primer when it is raining and never use primer as waterproof coating. Allow the primer to dry completely before proceeding for installation of bituminous waterproofing systems.

Clean-up: Use soap water for cleaning equipment and tools immediately after applying primer. Once the material dries, use of solvents is recommended for cleaning tools.

Storage

Recommended storage temperature is 5°C ~ 40°C; Stored in dry and ventilate 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.