

VX Guardian BitSeal is a water based bitumen liquid emulsion, which serves 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.

FEATURES

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

APPLICATION

VX Guardian BitSeal 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.

AREA OF USE

- Below ground and non-UV exposed situations
- Waterproofing of retaining walls, basements and foundation walls
- Waterproofing of planter boxes and landscaping areas
- Apply thick layers of sound and vibration reduction
- Repairing of existing bitumen membranes and surfaces.

PACKAGING

20 Kg Pails (Nett 19 kg)
200 Kg drums (Nett 180 kg)

COVERAGE

Moisture vapor barrier coating: 3-4 m²/kg/coat. Depending on uses , porosity and condition of the surface.

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.

TECHNICAL DATA

PROPERTIES	UNIT	TEST METHOD	RESULTS
Form	-	-	Bitumen liquid emulsion with high viscosity
Color	-	-	Dark brown
Density, gm/cc (specific gravity)	gm/cc	ASTM D 2939	1.03 ±0.02
Solid content	%	ASTM D 2939	35±3
Drying time	hrs	ASTM D 2939	24
Time between two coats	hrs	-	3-4 (depending on temperature)
Application temperature	°C	-	5°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

INSTRUCTION

The application temperature should be between 5°C to under maximum temp 45°C. VX Guardian BitSeal 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:** Preparation and cleaning shall be made on the area by removing loose and friable material, protrusions by using soft broom stick or the like and cleaning with water to remove fine dust from the surface. Oil, grease and paints or other contaminates shall be removed by using rug cloth and paint scraper respectively. Cracks shall be repaired with approved repairing material.
- 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 waterproofing and protective coating and stir before application. Normally two or three coats are required, depending on the degree of protection required.
- 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.