

BITUSEAL

Cold Applied Bitumen Waterproofing Coating

Description

BITUSEAL is a cold applied water-based bitumen emulsion. It is formulated from blend of selected bitumen emulsified with water and special additives that give tough black seamless film with high adhesion to the substrate.

BITUSEAL is suitable for waterproofing and damp proofing treatment on vertical and horizontal surfaces. Also, it can be used as concrete curing compound on fresh concrete.

Features & Benefits

- Economical, low cost.
- Excellent adhesion to different substrates.
- Water base, nonflammable.
- Easy to apply by brush, roller or spraying machine.
- Excellent resistant to alkalis, mild acids, chlorine.
- Compatible with all bituminous products.
- Resistant to water, chlorides and Sulphates.
- Anti-fungal and anti-bacteria

Uses

BITUSEAL is used for:

- General waterproofing and protective coating to steel, concrete, masonry, pipes and many other surfaces from attack by sulphates, chlorides and many other moisture and atmospheric borne pollutants.
- Resists attacks from salts, acids, oil, alkali, gasoline, bacteria and fungus.
- Sealer for concrete before applying the top finishing coats.
- Curing compound to fresh concrete to protect from water evaporation.

Technical Properties

Appearance	Liquid Bitumen
Color	Dark brown dries to seamless black coating
Density	1,030 Kg/m ³ approx.
Solid content	≥35%
Water Resistance	Excellent
Tensile Adhesion	>1.0 N/mm ²
Chloride/ Alkali Resistance	Excellent
Application temperature	+5 to +40 °C
Service temperature	-5 to +80 °C
Complete drying	6-8 hours

All values are subject to 5-10% tolerance

Standards Compliance:

- ASTM C 309
- ASTM D 2939, D 1227

Application Procedures

Surface preparation:

All surfaces should be sound, stable with an even finish, free from dust, dirt, loose debris, grease, etc.

Damaged surfaces should be repaired with one of SBI concrete repairing products (please contact SBI technical team for recommendation). Allow the repair mortar to dry before applying the Bitumen primer. Porous substrates required priming, prime with BITUSEAL diluted with 20% water.

Mixing Instructions:

BITUSEAL is supplied ready to use at site. Prior application shake the barrel to remove any sediment. it can be applied with a roller, brush or with a spraying machine. For specified method application, contact SBI Technical Department

Application Instructions:

BITUSEAL can be applied by roller, brush or spray. Two coats of BITUSEAL are recommended for most of applications, unless more than two coats are specified. Ensure the first coat is completely dry (6-8 hours) before applying the subsequent coats. The second coat should be applied at right angle to the first one.

Coverage

2-4 m²/ Liter depends on surface porosity.

Packaging

BITUSEAL is available in 15Ltr Pails and 200Ltr drums.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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