

MIXPRIME SB

Solvented bitumen primer for water proof membranes

Mixprime SB is a bitumen base, membrane forming quickly curing and sealing primer based on specially formulated blend of bitumen, asphalt and selected polymers dissolved in quick drying solvent and wetting agents. Mixprime SB is low viscosity which allows it to penetrate into the concrete pores and improve the adhesion between the membrane and the concrete surface. In addition to that Mixprime SB acts as a binder for the dust particles which gets accumulated on the concrete surface even after cleaning. Adequate strength development capacity of Mixprime SB can reduce the plastic shrinkage cracks on concrete surfaces. Mixprime SB will act as a sealing coat in order to protect concrete surfaces from the attack of water borne salts and atmospheric carbon dioxide gas

Appropriation

- Primer for water-proofing membranes
- Dust proofing and floor hardening in almost all concrete surfaces
- Foundation curing, prior to the application of protective coating
- As a curing compound for freshly cast concrete

Characteristics

Avoid ponding and wet Hessian

Cold applied, heating not required

Single component, permanent, penetrating treatment.

Hardening action improves Abrasion Resistance and chemical resistance to mild acids and Alkalis

The product can be applied when initial bleed water disappears

On formed concrete, immediate after removing the form work, apply Mixprime SB by spray, roller or brush as a curing agent

Effective barrier to CO₂ diffusion and anticorrosive

Excellent resistance to chloride ion ingress and protects concrete at its most vulnerable time.

Technical Data & Properties

Standard conforms: ASTM D 41

Appearance: Black liquid

Finished film appearance: tack free, brown / black film

Viscosity: 25-125 @25°C

Specific Gravity: 0.88@25°C

Flexibility: No crack (BS3416)

Water content: 0.5%

Flash point: 39°C

Tack free time: 3 hours 30 minutes@25°C

Curing efficiency ASTM C309: Pass

Application temperature: 4 to 45°C

Composition: Blend of bitumen, asphalt, selected polymers dissolve in fast drying solvents.

Product Management

Surface preparation:

The surface shall be cleaned thoroughly of all contaminants like dust, traces of curing compound, oil and grease. All surface imperfections nail head protrusions, structurally unsound concrete particles shall be removed and any repair shall be taken care by Mixbuild repair mortar. The surface must be dry before starting the application.

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Application procedure:

Mixprime SB should be applied by spray, roller, and squeegee brush on the prepared surface. Applied as evenly as possible to the freshly placed concrete. Allow the primer to dry prior to the application of the membrane. Second coat is recommended as per the substrate porosity and condition.

On horizontal surfaces, apply Mixprime SB as soon as the initial surface sheen has disappeared from the concrete face.

For formed concrete, apply Mixprime SB as soon as the removal of formwork, rate of coverage will depend on particular circumstances but will generally be 5 m² to 6 m² /litre for Mixprime SB

Coverage: 3-5m² / litre depending on the surface. Normally two coats at the above rate are advisable, allowing the first coat to be dried for 12- 18 hours for the second coat.

Depend on the spray equipment up to 10% white spirit can be added to facilitate spraying

When used for the damp-proofing floors apply a second coat at right angles to the first and whilst still tacky lightly grit the whole area to form a key. The concrete screed can be laid after 24 hours and should be greater than 50mm in thickness.

Packing & Storage

Mixprime SB is available in 20ltr / 200ltr drums. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers/ storage tanks. Mixprime SB should be stored in cool, dry and shaded warehouses.

Shelf life is 12 months when stored under cover, out of direct sunlight between to 45°C, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

Health & Safety

As with all Bitumen products caution should always be exercised, Mixprime SB contains volatile solvent with low flash point. Avoid inhalation of vapours and ensure adequate ventilation in the working place. Fire and naked flame should be kept at a distance. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any contact to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each Fab product.

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Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

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