

ZELOPRIME SB

One component solvent based fast drying bituminous primer & concrete protection



TECHNICAL DATA SHEET

DESCRIPTION

- Zeloprim SB is a bitumen base, film forming drying and seal solution made from a carefully designed combination of bitumen, asphalt, and chosen polymers combined with a fast-curing solvent and wetting additives. Zeloprim SB works to stop quick water evaporation from fresh concrete, guaranteeing uniform hydration, appropriate growth in strength, and reducing plastic shrinkage cracks on concrete surfaces. Zeloprim SB will operate as a protective coat over concrete surfaces, sealing them from the attack of water-borne salts and atmospheric carbon dioxide gas.

PRODUCT FEATURES

- Easy to apply, inexpensive, and resistant to salts and sulphates commonly found in earth conditions.
- Works as a priming solution for later finishes on both new and old concrete
- Single part, long-lasting, penetrating treat hardening effect enhances durability against abrasion
- Resistance and chemical ability to resist mild acids and alkalis
- Provides a strong barrier to release of CO₂
- Excellent resistance to chloride ion infiltration and preserves concrete at its weakest phase.

TYPICAL USES:

- Zeloprime SB is typically used as a damp-proof membrane primer
- Dust proofing and floor hardening in practically all concrete surfaces
- Foundation curing prior to installation of protective coating

APPLICATIONS INSTRUCTIONS:

- Spray, roller, and squeegee brush should all be used. Applied to freshly laid concrete as evenly as possible. Hold the spray nozzle 500mm away from the concrete surface and move back and forth to ensure total coverage. Keep a high enough pump pressure to provide a fine spray.
- Apply Zeloprime SB to flat surfaces as soon as the first surface show begins to disappear from the concrete face.
- For formed concrete, apply Zeloprime SB as soon as the formwork is removed. The rate of coverage may vary depending on the conditions, but will normally be 5 m² to 6 m² /liter. Please see the MSDS for each Titan-Tech product for further information.

APPLICATION METHODS:

- Zeloprime SB can be applied by Spray, brush, or roller application
- When the first water seep on formed concrete evaporates, add Zeloprime SB by spray, roller, or brush immediately after removing the form work.
- Long-term durability and function are only possible with proper preparation to provide a strong adhesive and mechanical attachment to the substrate.

COVERAGE:

- 5m² per litre, based on surface. ideally, two applications at the stated rate are recommended, with the first coat drying for 12- 18 hours before applying the second coat. Depending on the spray equipment, up to 10% white spirit can be added to make spraying easier.
- When used for damp-proofing flooring, apply a second layer at right angles to the first and gently grit the entire surface while it is still sticky to form a key. After 24 hours, the concrete screed may be put and should be thicker than 50mm.

PACKING & STORAGE:

- Zeloprime SB is packaged in 180 and 18 KG drums. Deliveries must be delivered in bulk specifically built containers for on-site applications or large-scale consumption.
- Zeloprime SB should be stored in warehouses that are cold, dry, and shaded. When stored under cover, out of exposure to sunlight, protected from severe temperatures, and in accordance with guidelines, the shelf life is 12 months. In severe tropical climates, the product must be kept in a cold environment. High levels of humidity and high UV exposure can shorten the shelf life.

HEALTH & SAFETY:

- Zeloprime SB includes a volatile solvent with a low flash point, thus use caution as with all Bitumen products. Avoid inhaling vapours and provide sufficient airflow in the workplace.
- Keep fire and open flames at an away distance.
- While handling, protective clothes such as gloves and goggles must be used. For optimal protection, long-sleeved overalls, safety shoes, and a face mask are advised. After usage, reseal all containers and store the product as directed on the label's safety section. Any contact with the skin or eyes should be treated instantly with fresh water. If any of the items are incorrectly consumed, do not induce vomiting; instead, seek medical attention immediately. Please refer to the MSDS for further information.

PROPERTIES

- Standard conforms: ASTM C-309 type 1, class B
- Appearance: Black liquid Finished film appearance tack free, brown / black film
- Specific Gravity: 0.88@25oC
- Flash point: 390C
- Tack free time: 3 hours 30 minuts@250C
- Composition:
- Blend of bitumen, asphalt, selected polymers dissolve in fast drying solvents