

Description:

Dry Bond 511 is multi-purpose admixture specially formulated to be used with cement-based mortars to improve adhesion to most construction materials such as concrete, bricks and blocks.

Composition:

Dry Bond 511 is manufactured from Poly Vinyl Acetate (PVA) polymer.

Uses:

Dry Bond 511 can be used as an admixture for the following applications:

- Cement based spatter dash mortars
- Floor screeds.
- Bonding new screeds, plaster and rendering mortars.

Advantages:

- Improve abrasion resistance.
- Excellent adhesion cement-based substrates.
- Reduce shrinkage.

Surface Preparation:

- Surfaces should be clean and free from any loose particles, dust, oil, grease, curing agents, or paint.
- Remove all recess and loose materials using suitable tools.
- For floor screed, use the mechanical surface preparation technique. Pre-wet the prepared the surface prior to application, without leaving excess water.

Technical Data:

Color	White
Diluents/ Thinner	Water
pH	4-6
Specific Gravity	Approx 1.0

Packaging:

Dry Bond 511 is available in 1 , 5 and 20 and 125 liter.

Mixing Porportion:

mising according to use

Coverage Rate:

- 5-7 m²/liter (bonding slurry application).
- 50-100 liter/m³ (floor screed application).

(Coverage rate may vary depending on surface condition).

Application Procedures:

Spatter Dash:

- Mix 400 – 450 kg of Portland cement to 1 m³ of sharp sand.
- Add **Dry Bond 511** diluted with water at a ratio of 1:1 to 1:4 to the dry mixed mortar and mix well to get slurry consistency.
- Apply the spatter dash mortar to the prepared surface either using manual spraying machine or by conventional hand application.

Bonding Slurry:

- Mix approximately 1 part of **Dry Bond 511** with 1 part of water and a 2-3 parts of cement to a lump free slurry consistency.
- Apply the mix to the prepared surface using a stiff brush without leaving any pinholes on the substrate.
- The following mortar layer must be applied while the slurry coat is still wet.

Floor Screeds:

- **Dry Bond 511** when used in floor screeds will help to get thin floor screeds 10 – 20 mm thickness. A bonding slurry coat should be applied as above.
- The recommended mix to be used as floor screed is 50 kg of Portland cement with 150 kg of sharp sand and 5 – 10 liters of **Dry Bond 511**. Keep the quantity of water to be added to the minimum to get a semi dry consistency.
- Spread the mixture on the prepared surface while the bonding slurry coat is still tacky and press on it well.
- Trowel the surface to a smooth finish using steel trowel.
- Cover the surface with polyethylene sheet to cure and allow to dry for 7 days before opening for traffic.

Storage:

Shelf life is 12 months from manufacturing date, in a dry, covered storage area.

Health and Safety:

While using the product, gloves and goggles should be worn.

Splashes to skin or eyes should be washed with clean water, in case of prolonged irritation, seek medical advice.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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