Dry Bond 511
Multi purpose bonding agent and admixture for cement based mortars.

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) polymers.

Uses
Dry Bond 511 can be used as an admixture for the following applications:
- Cement based spatter dash mortars (Tartasha).
- Floor screeds.
- Bonding new screeds, plaster and rendering mortars.

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

Technical Data

<table>
<thead>
<tr>
<th>Color</th>
<th>White</th>
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<tbody>
<tr>
<td>Diluents/ Thinner</td>
<td>Water</td>
</tr>
<tr>
<td>pH</td>
<td>4 - 6</td>
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<tr>
<td>Specific Gravity</td>
<td>Approx. 1.0</td>
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</tbody>
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Surface Preparation
Substrates where Dry Bond 511 to be applied should be clean and free from any loose particles, dust, oil, grease, curing agents, or paint. Remove all laitance and loose materials using suitable tools.

In case of floor screed, use the mechanical surface preparation technique. Pre-wet the prepared substrates prior to application, without leaving excess water.

Application Procedures

Spatter Dash (Tartasha)
Mix 400 - 450 kg of Portland cement to one m³ of sharp sand. Add Dry Bond 511 diluted with water 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 one part of Dry Bond 511 + one part of water + 2-3 parts of cement to a lump free slurry consistency. Apply the mix to the prepared substrate using 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.

Coverage Rate
5 – 7 m²/liter (bonding slurry application).
50 – 100 liter/m² (floor screed application).
(Coverage rate may vary depending on surface condition).

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

The recommended mix to be used as floor screed is 50 kg of Portland cement: 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 substrate while the bonding slurry coat is still tacky and press 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.