

Description:

Dry Bond 540 is multipurpose admixture specially formulated to be used with cement-based mortars & concrete to improve adhesion, water resistance, abrasion resistance, compressive, flexural and tensile strength.

Composition:

Dry Bond 540 is Styrene butadiene copolymer (SBR) latex.

Uses:

Dry Bond 540 is to used as an admixture for the following applications:

- Cement based tile adhesive & tile grouts mortars.
- Cement based renders and spatter dash mortar
- Waterproof plaster for swimming pools, water and waste water tanks.
- Floor screeds.
- Bonding new concrete to old & concrete repair mortars.
- Corrosion protection of steel reinforcement in concrete structures.

Advantages:

- Excellent resistance to water penetration.
- Improve abrasion resistance.
- Excellent adhesion to steel reinforcement and cementitious substrates.
- Reduce shrinkage and improve flexibility and durability.
- Improve compressive, flexural and tensile strength.
- Non-toxic can be used in contact with potable water.
- Improve chemical resistance.

Technical Data:

Color	Milky White
Diluents/ Thinner	Water
PH	Approx 10
Specific Gravity	Approx 1.0

Packaging:

Dry Bond 540 is available in 1,5, and 20 and 125 Liter

Moixing Proportion:

mixed according to use

Coverage:

5-7 m²/ liter (Bonding slurry application)
50-100 m²/ Liter (Floor screed application)

(Coverage rate may vary depending on surface conditions)

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.
- Reinforcing steel must be free from grease, oil and rust. Pre-wet cement-based surfaces prior to application, without leaving excess water.

Application Procedures:

Tile Adhesive:

For tile adhesive it is recommended to use **Dry Bond 540** with Dry Fix products. The recommended dosage is 1.5 liter/25 kg bag. The total amount of water that should be added to each bag should be reduced to compensate the addition of **Dry Bond 540**.

In Addition **Dry Bond 540** can be used with cement based traditional mortar for fixing ceramic tiles. The Recommended dilution for **Dry Bond 540** is with water at a ratio of 1:1 to 1:4 .

Tile Grouts:

Dry Bond 540 is to be used with **Dry Grout 413 ,414** and jobsite mix cement-based tiles grout to produce waterproof tiles grouts for floors and walls. It is recommended to use **Dry Bond 540** diluted with water at a 1:4 ratio.

Bonding Slurry:

For bonding slurry mix one part **Dry Bond 540** with one part of water and 2-3 parts of cement to a lump free slurry consistency. Apply the mix to the prepared surface using stiff brush without leaving any pinholes on the surface. The following mortar layer must be applied while the slurry coat is still wet.

(Coverage is approximately 5 - 7 m²/liter of **Dry Bond 540** depending on surface condition).

Polymer Modified Mortars:

- Mix **Dry Bond 540** with water with a ratio of 1:1 – 1:4.
- Mix the dry component of the cement-based mortar using well graded sharp sand and the required quantity of OPC.
- Add the powder mix to the diluted mixture of **Dry Bond 540** slowly while mixing.
- Keep mixing for three minutes and keep the mortar as stiff as possible.
- Apply the mortar by trowel or other suitable application tools in layers not more than 6 mm thickness per layer. If the thickness is more than 6 mm, apply several coats wet on wet till you reach the required thickness.

Curing:

Moisture curing is recommended for 24 hours then allow to dry slowly.

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.