



FINEST INNOVATION AND EXPERTISE

FINEXBOND SBR

SBR BASED BONDING AGENT FOR MORTAR AND CONCRETE

DESCRIPTION

Finexbond SBR is an aqueous emulsion of styrene-butadiene copolymer latex, specially formulated for use in cementitious mixtures to improve bonding properties wear resistance, and durability.

Finexbond SBR is also compatible with sulphate-resisting or high-alumina cement and gypsum plaster.

RECOMMENDED TO USE

As a bonding agent for

- Structural repair products
- New and old concrete.
- Cement, Sand screeds, topping, renders and plasters

As an additive in joint grouts and thick mortar beds, for tiles, marble, bricks and stones

FEATURES AND BENEFITS

- Improve the bonding strength
- Excellent abrasion resistance
- Increase flexural and tensile strength
- Increase durability
- Reduce the shrinkage and crack.
- Non toxic

PROPERTIES

Supply form	Liquid
Colour	Milky white
Specific gravity	1.01 ± 0.01
Storage temperature	Sensitive to frost
Application temperature	Not below 5oC
Toxicity	Non-toxic

ESTIMATING DATA

Depending on the type of application (refer "Application Method")

Typical coverage

Bonding agent & primer 7 – 8 m² per liter

Bonding slurry 4 – 5 m² per liter

Actual consumption depends on the porosity and surface profile of the substrate and wastage.

APPLICATION

Surface Preparation

01. The substrate must be clean and free of dust and loose particles. Cement laitance, oil, grease, mould release agent and curing compounds must be removed from concrete surfaces by using grit blasting or other means.
02. Pre-wet the concrete substrate before applying Finexbond SBR.
03. Shade the application areas to avoid too high surface temperature.

Mixing

04. Stir well before use. Preferably, mixing should be done in an efficient pan mixer or by means of a low-speed hand mixer.
05. Hand mixing is not recommended.

Application Method

Bonding agent

06. Finexbond SBR can be used as a bonding agent without dilution, can be apply by brush, roller and spray.

Bonding slurry

07. Apply slurry on the still damp surface by brush or roller, consisting of 1-part Finexbond SBR and 1.5 to 2-parts by volume of cement, mixed to a lump-free creamy consistency.
08. The maximum thickness of the slurry is approximately 1 - 2mm.
09. The mortar must be placed wet-on-wet. If the slurry gets dry, A further slurry coat must be applied.

Mortar mix

10. Finexbond SBR can be mixed to cement, sand mortar by weight of cement 15% to 20% .

CLEANING

11. Clean tools and equipment's with water immediately after use.

CURING

12. Freshly applied screeds and renderings, when mixed with Finexbond SBR, should be kept damp and be protected from direct sunlight, rain, wind and frost, until sufficiently hardened.
13. Excessive rapid drying may cause shrinkage, insufficient strength and other defects.

Date - 2024/03/09
Revision - 02

GENERAL GUIDELINES

Materials for Finexbond SBR modified mixtures

01. Sand should be washed, well graded and free from excessive fines
02. Although Finexbond SBR is compatible with high alumina cement, hardening will be delayed.
03. Expansion joints in the substrate must be carried through the Finexbond SBR modified mixture.
04. Finexbond SBR modified mixtures should be applied to damp, but never in wet surfaces.
05. Where running water is present, this must be sealed and plugged first.
06. Do not over trowel and avoid re-trowelling of setting mortar.
07. Finexbond SBR may float to the surface and impair the adhesion of subsequently applied materials.
08. Do not work at temperature below 5°C.

PACKAGING

Available in 1 liter, 5 liter, 10 liter, 20 liter containers and 200 liter drums.

STORAGE / SHELF LIFE

Finexbond SBR should be stored out of direct sunlight. If kept in a dry place in tightly closed original packing above freezing point, it has 12 months shelf life.

PRECAUTIONS

Avoid prolonged contact with skin. Wear protective gear for hand & eyes. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention. The product is nonflammable.

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