BEST CONSTRUCTION
CHEMICALS
Stick with Best

BESTBOND SBR

LIQUID ADDITIVE FOR CEMENTITIOUS SYSTEM

PRODUCT PROPERTIES:

- (SBR) Styrene-Butadiene copolymer latex is specifically designed for use with cement compositions
- Earlier hardening
- Improved flexibility
- Greatly reduced shrinkage
- Prevents bleeding
- Lower water-cement ratio
- Increased durability and toughness
- High resistance to water penetration
- Good abrasion resistance
- Good resistance to frost and salt permeation
- Good resistance to many chemicals and mineral oils
- Excellent adhesion to steel and concrete. Adheres well to brick, glass, asphalt, wood, expanded polystyrene and most building materials
- Prolonged corrosion protection
- Similar thermal expansion and modulus properties to concrete (unlike resin mortars and primers)
- Non-toxic
- Can be used with potable water
- More economical than epoxy or polyester resin mortar

FIELDS OF APPLICATION:

- Concrete repair
- Floor screeds and toppings
- External rendering
- Waterproofing and tanking
- Fixing slip bricks and tiles
- Corrosion protection of steel

ADMIXTURES:

- SPECIAL ADMIXTURES
- SURFACE IMPROVEMENT
- GROUTS
- WATER PROOFING
- FLOORING
- INDUSTRIAL COAT
- INGS
- JOINT SEALANTS
- REPAIR / CRACK INJECTION
- TILING SYSTEMS

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Technical Data		
Type	BESTBOND SBR	**STANDARDS:** WRC (Water Research Council) approved for use with potable water.
Color	Milky white Color	
PH Value	10.5	
Specific gravity	1.01	
% Solids	>40	
Consumption with 100kg Cement	2-10 %	

PACKAGING:

Supplied in: 5, 30,210,1000kg
Storage: Dry; Frost free, out of direct sunlight Shelf life: 12months, when stores as above Hazard class: No dangerous goods, Observe Material Safety datasheet.

MATERIAL SELECTION:

Sand:

Sand should be sharp washed, well graded and free from excessive fines.
For general use select BS 882 C&M (previously Zone 2) sand. For rendering, select sand complying with BS 1199 Table 1.

Cement:

BESTBOND SBR is compatible with all types of OPC, sulphate resisting Types II and V.

Water:

The strong plasticizing action greatly reduces the water cement ratio for any given workability.

BESTBOND SBR:

Standard dose is 5ltr per 50kg of cement. For more demanding situations, such as exposure to chemicals or wear, 10 ltr per50kg of cement is recommended.

DIRECTION OF USE

SURFACE PREPARATION:

Surfaces to which BESTBOND SBR is to be applied should be clean, sound and free of deleterious substances. Remove all laitance, oil, grease, mould oil or curing compound from concrete surfaces using wire brush, scrabble or other equipment as appropriate. Ensure that reinforcing steel is clean and free from grease or oil; remove scale and rust. When repairing spalled or damaged concrete, ensure that the concrete has been cut back to sound material.

BONDING SLURRY:

Wet down absorbent surfaces, such as concrete, brick, stone, etc, ensuring that they are saturated but free of surface water. Prepare a bonding slurry of 1.5 to 2 parts cement to 1 part BESTBOND SBR, mixed to a lump-free creamy, consistency. Using a stiff brush, work the bonding slurry well into the damp surface, ensuring that no pinholes are visible. Do not apply bonding slurry at a thickness in excess of 2mm. If a second coat is necessary, it must be applied after the first coat is touch dry. The second coat must be applied at right angles to the first to ensure complete coverage. (Approximately 20ltr of BESTBOND SBR mixed with 50kg of OPC Type I cement will give creamy slurry which will cover 20 square meters of substrate dependent on surface texture and thickness applied.).

MIXING:

Charge the mixer with the required quantity of sand and cement and premix for approx. 1 minute. Add BESTBOND SBR and mix for 2 minutes only, to avoid excessive air entrapment. Finally, without delay, add the water slowly until the required consistency is achieved.

APPLICATION:

Screeds, patches etc., based on BESTBOND SBR modified cements can be laid to any thickness from 60mm down to 6mm minimum. After mixing, BESTBOND SBR modified mixes should be placed over the still wet bonding slurry, well compacted and struck off to level. It may then be toweled to the required finish using a wooden float or steel trowel.

CURING:

Correct curing of BESTBOND SBR modified mixes is important. Moisture cures for 24 hours and then allows to dry out slowly. (Note that initial curing is necessary to provide good curing conditions for the hydration of the Portland cement, then the Latex mortar must be allowed to dry out to permit the latex particles to join together to form the continuous films and strands.)

Disclaimer: