7.03 FAST SBR LATEX

Bonding Agent for Concrete

PRODUCT DESCRIPTION

Construction chemical SBR is a white styrene butadiene emulsion used to improve the properties of cement renders, screeds and mortars. It is also used in conjunction with Construction Chemicals Taking Slurry as a priming coat or tight render basecoat. Used with Sulphate resistant cement it will resist the movement of salts with in wall.

USES

- High strength for floor screeds.
- Patching and repair mortar.
- Thin section screeds.
- As a bonding bridge for renders and Waterproofing.
- Waterproof renders and screeds.

For Use in Construction Chemicals Tanking System

- Dust proofing
- Priming
- Tiling

PROPERTIES

- Adhesion improved.
- Flexural strength improved.
- Tensile strength increased.
- Water impermeability reused.
- Shrinkage reduced.
- Non corrosive to steel.
- Increased abrasion resistance.

TECHNICAL DATA

Appearance Form:	Liquid
Color:	White
Solids content:	50% $\pm$ 1%
Application Temp Min:	+5°C
Flexural Strength:	(compared with +20% - 30% unmodified mortar)
Tensile Strength:	20 - 30
Abrasion Resistance:	up to 2005
Density:	Approx. 1.01
Bonding grout:	$4M^2/L$ depending on surface and application technique
Mortar:	See Mixing Table

APPLICATION

Mix as per Table. Do not use neat SBR as a bonding grout, without adding cement. Maximum dilution of SBR with the gauging water is 1:4.

Free fall mixers are not suitable for SBR mortars; the higher performance forced action paddle type mixers are recommended for more efficient and speedier mixing of the mortars. For small qualities a slow speed drill and paddle is ideal.

Always keep the water/cement ratio to a minimum to enable correct working and compaction. A W/C ratio of less than 0.4 is advised.

Thick screeds should be laid in layers of 20mm thoroughly compacted and immediately followed by another by another 20mm, this repeated until the required thickness has been applied.

Mortar toppings should be finished by wood float or steel trowel. Care should be taken to prevent rapid drying of SBR mortars, by the use of polythene, damp Hessian or concrete compounds. Always use sharp, clean and washes sand. Maximum thickness per layer 40mm laid and compacted in two layers, as above. Ensure hardened layers are mechanically “keyed”, wetted and grouted. Renderings, floor toppings etc., should be allowed to cure correctly. If temperatures drop

to 2°C or less, protect the uncured mortar against frost.

Do not over mix SBR modified mortars. Do not Feather edge SBR modified screeds.

METHOD OF APPLICATION

PREPARATION: The substrate must be free of all oil, grease, existing sealers or other contaminants. All loose material should be removed and a key provided using a scabbling machine or enclosed grit blaster. The surface should be well soaked with water prior to application of the bonding agent. Do not allow ponded water to remain on substrate.

PRIMING: Use of Construction Chemicals Bonding Grout. Mix 1 part by volume SBR with 1.5 parts fresh Portland cement to produce a stiff grout. Scrub this grout on to the pre dampened concrete or wall. DO NOT allow to dry prior to the application of subsequent layers.

WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to FastChem Construction Chemicals ("FastChem") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond FastChem's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. FastChem shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. FastChem's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

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