

RocBond SBR

Multipurpose Bonding Agent & Waterproofing Admixtures

PRODUCT DESCRIPTION

RocBond SBR is a modified styrene - butadiene copolymer latex which is supplied as a ready to use white liquid. Being resistant to hydrolysis, it is ideal for internal and external applications in conjunction with cement. It is designed to improve the quality of site-batched cementitious mortars. RocBond SBR may be used in applications which require the greater strength and flexibility characteristics given by SBR modified mixes.

APPLICATIONS&USES

For improving the physical properties of cementitious mixes. RocBond SBR uses include, Bonding concrete repair mortars, Floor toppings and screeds, Waterproof renders and cementitious slurries. Bonding agent for slip bricks, ceramic tiles, etc.

Improved strength & flexibility. Higher bond strengths. Reduced shrinkage cracking. Increased abrasion resistance. Lower w/c ratio & increased durability. Good general chemical resistance Non-toxic, use with potable water.

ADVANTAGES

- ▶ Excellent bond to concrete, masonry, stonework, plaster and blackboard
- ▶ Contains no chloride
- ▶ admixtures Single component liquid
- ▶ Can be easily gauged as required
- ▶ Improves cohesion and workability
- ▶ Improves mortars to provide waterproof repairs, renders and toppings which are highly resistant to freeze/thaw cycling
- ▶ Improved tensile and flexural properties
- ▶ Higher bond strengths. Reduced shrinkage cracking.

PACKAGING & STORAGE

RocBondSBR is supplied in 5Ltr, 20Ltr and 200 Ltr drums and has a minimum shelf life of 12 months provided it is stored under, out of direct sunlight.

TYPICAL PROPERTIES

Color & appearance	white milky liquid
pH	7.5-8.5
Density, [g/cc] ASTM 1475	1.0±0.05
Solid content, [%] ASTM D 2939	35±3
SBR modified mix	[w/c: 0.45 and 350 kg cement]
Compressive strength, [N/mm²] ASTM C 579	>38
Flexural strength, [N/mm²] ASTM C 580	> 11
Tensile strength, [N/mm²] ASTM C 307	> 5
Shear bond strength, [N/mm²] ASTM C 882	>4
Application temperature, [°C]	5 to 45
Service temperature, [°C]	-5 to 45

DIRECTIONS FOR USE

Clean the surface and remove any dust, unsound or contaminated material, plaster, oil, paint, grease, corrosion deposits or algae. Oil and grease deposits should be removed by steam cleaning, detergent scrubbing or the use of a proprietary degreaser. Where breaking out is not required, roughen the surface and remove any laitance by light scrubbing or grit- blasting.

Lightly scale smooth surfaces prior to application of the fresh mix. When repairing damaged concrete, ensure that existing concrete is cut back to sound material.

Mixing: Add the cement and sand to the mixer and premix for approx. 1 minute. Initially add one-third quantity of the water required. Then add **RocBond SBR** and mix for a further 2 minutes; add further quantity of water slowly until the desired consistency is reached. Keep water content to a minimum to obtain maximum hardened properties.

Bonding slurry: Thoroughly wet down absorbent substrates such as concrete, brick and stone ensuring that they are saturated but surface dry. Mix 2 parts cement with 1-part **Rocbond SBR** to a lump free consistency. Then using a stiff brush apply at a nominal 1mm, working the slurry into the substrate ensuring complete coverage.

Mix designs: With **RocBond SBR** Patching and repair mortar (Recommended thickness: 5 mm to 50 mm) 50 kgs Ordinary Portland Cement .150kgs grade sand.10 ltr.**RocBond SBR**. 8 liters (approx.) clean water. Render: 50 kgs Ordinary Portland Cement 150 kgs grade sand 10 Ltr **RocBondSBR** 6 liters (approximately) clean water the render should be of a semi-dry cohesive consistency

Curing: Always ensure that **RocBond SBR** mixes are thoroughly cured. Moisture cures for 24-36 hours. Thereafter allow to dry slowly. The styrene-butadiene co-polymer latex controls hydration of the cement.

Health & Safety Precautions: **RocBond SBR** does not fall into the hazard classifications. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately.

HEALTH & SAFETY

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OUR PRODUCT RANGE

- ▶ **RocFlow PR9-** High Performance Concrete Plasti- cizer & Retarder
- ▶ **RocFoam AE-** Air-Entraining Agent For Foam Concrete
- ▶ **RocFlow Admix-** Accelerating plasticizer, Suitable for Precast Use
- ▶ **RocBond PVA-** Multipurpose Bonding Agent and Admixtures
- ▶ **RocFlow PC9-** Accelerating plasticizer, Suitable for Precast Use
- ▶ **RocBond AR-** single component, acrylic bonding agent & curing aid for use with Tuff Build repair mortars.
- ▶ **CILTile Latex-** rubber latex admixture for enhanc- ing the physical properties of cement based mortars.
- ▶ **RocCoat RBE-** rubberized bitumen emulsion.
- ▶ **RocCoat WB primer-** bitumen emulsion coating.
- ▶ **CILTile Latex-** rubber latex admixture for enhanc- ing the physical properties of cement based mortars.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local our \Products representative or visit our website for current technical data and instructions.

Disclaimer

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