

BMA SBR

Code: BMA-SBR000

PROPERTIES

A styrene butadiene based copolymer designed to be mixed with cement, concrete and mortars in order to increase their water resistance and maximize their lifetime and tensile strength. As well, BMA SBR is used as an admixture able to provide the required shrinkage and cracking resistance.

RECOMMENDED USES

BMA SBR is used for several purposes:

- ✓ A bonding, patching and bedding agent: for renders, toppings and for bonding new to old concrete.
- ✓ A waterproof and protective slurry: swimming pools, walkways, plant grounds, water tanks, chemical holding tanks, balconies and tunnels.

PERFORMANCE BENEFITS

- ✓ Superior chemical and abrasion resistance
- ✓ Barrier against water and moisture transmission
- ✓ Bonding, flooring, repairing and waterproofing properties
- ✓ Extreme floor toughening
- ✓ Excellent adhesion to a wide range of building materials
- ✓ Reduction of water to cement ratio
- ✓ Shrinkage and cracking resistance

CHARACTERISTIC PHYSICO-CHEMICAL DATA

Tests	Norms	Results
Appearance	-	Milky white liquid, becomes clear after drying
Total Solids, by weight	ASTM D1259	16.5%
Specific Gravity	ASTM D1475	1.01 g/cm ³
Consistency, at 25°C	ASTM D562	10 P

DIRECTION OF USE

- ✓ Substrate should be clean, dry and free from any oil and grease residues
- ✓ The environment and the substrates temperature should be between 5°C and 40°C.
- ✓ Two methods of application could be followed:
 - **1st Method:** Prepare a SBR Solution by mixing BMA SBR with water (1:5 by volume). Then, add the SBR Solution to the cement and sand until reaching the desired cementitious mixture.
 - **2nd Method:** BMA SBR could also be directly added with the mixing water, to the mortar in a ratio of 5% of the cement weight. This admixture of mortar and SBR could also be used to repair the concrete and fill its shrinkages by wetting the cracks with the aqueous solution of SBR then by directly filling them with the prepared admixture.

AVAILABLE PACKAGING

1 US Gallon; 5 US Gallons

SHELF LIFE

BMA SBR should be stored under dry conditions in undamaged and unopened containers, where the temperature varies between 5°C and 35°C and away from any source of heat or ignition. Direct exposure to sunlight should be avoided.

Under the above mentioned conditions, the shelf life of BMA SBR will be 2 years.

After this period, BMA SBR quality is subjected to re-inspection. Proper handling is essential to maintain good quality.

HEALTH & SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for complete information on Hazards Identification, First-Aid and Fire-Fighting Measures, Accidental Release Measures, Handling and Storage, Exposure Control and Personal Protection, Stability and Reactivity, Toxicological Information, and Transport Information.

QUALITY ASSURANCE

BMA Commercial & Industrial s.a.l is a holder of the ISO 9001:2015 and ISO 45001:2018 certificates, which guarantees that all operations are conducted in compliance with International Standards

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