



# DATASHEET

## DIMAP SBR

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### 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, DIMAP SBR is used as an admixture able to provide the required shrinkage and cracking resistance.

### RECOMMENDED USES

DIMAP 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 <sup>3</sup>
Consistency, at 25°C	ASTM D562	10 P



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## 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:
  - **1<sup>st</sup> Method:** Prepare a SBR Solution by mixing DIMAP SBR with water (1:5 by volume). Then, add the SBR Solution to the cement and sand until reaching the desired cementitious mixture.
  - **2<sup>nd</sup> Method:** DIMAP 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

DIMAP 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 DIMAP SBR will be 2 years.

After this period, DIMAP 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.