

POLYALK SB

SBR LATEX BASED BONDING AGENT / MORTAR MODIFIER

DESCRIPTION

POLYALK SB is a versatile SBR dispersion admixture for use in repair mortars and other cementitious mixes. It is suitably formulated with other ingredients such as wholly or partially replaces the water content of the mix. The water / cement ratio is effectively reduced which increases the ultimate compressive strength as well as reduces bleeding and segregation. It is used as a secondary binder in cementitious mixes improves toughness, flexural and tensile strengths as well as reduces permeability so that resistance to wetting and erosion is increased thus enhancing durability. Further, it resists carbonation.

USES

- Repair Mortar for R.C.C. members.
- Enables durable repairs to spalled concrete floors, beams, columns, slabs, foundations etc.
- Repair of finished concrete elements.
- For repairing surface damage without adversely affecting the structural element.
- For replacing broken edges, filling of voids and rock pockets, production of high grade, hardwearing coatings etc.
- Renovating concrete staircases, natural stone or artificial stone.

INSTRUCTIONS FOR USE

POLYALK SB as POLYMER CEMENT BONDING/PRIMING COAT

- Clean the surface on which the bonding coat is to be applied with a water jet approximately 24 hrs prior to application.
- Mix thoroughly 1.5 part fresh cement with 1 part POLYALK SB (by weight) using a mechanical mixer to form a slurry of a consistency easily applicable.

- In special cases, this composition may be modified by consulting the CMCD.
- Apply the bonding coat on the cleaned RCC surface by brush taking care to avoid pinholes.
- Immediately after application of the slurry on the requisite surface, place the next screed or mortar etc. that is to come over it 'wet on wet' application. (Say within 10-15 minutes).

COVERAGE

- For Bonding Coat 3 to 4 M2 per Kg.

POLYALK SB as POLYMER MODIFIED REPAIR MORTAR

- 1 Kg POLYALK SB, 5 Kg fresh Cement, 15 Kg Quartz sand [graded] (Polymer: Cement: Quartz Sand ratio is 1:5:15) is a globally recommended composition. However, the proportion can be modified based on consultant's recommendations.
- First dry mix the cement and graded sand in a mixer.
- Mix POLYALK EP with the premixed cement-sand in the mixer using a mechanical stirrer (A mechanical mixer with a specially designed stirrer may be conveniently used). Mix for 3 minutes.
- Add requisite quantity of water to attain dough like consistency so that it can be hand packed. The mortar is now ready for use.
- After treating the surface with a bonding slurry of cement and POLYALK SB as above, whilst it is still wet/tacky apply the repair mortar to a minimum depth of 14 mm in two coats of 7 mm each.
- The coating should be well compacted and finished.
- Subsequently, cure only using moist gunny bags and not by directly spraying or ponding with water.



SUNANDA

SPECIALITY COATINGS PVT. LTD
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YIELD

- For Mortars: 21-22 Kg mix yields 0.01M³ or 10 litre approximately.

PACKING

- 1, 5, 20 Kg.

PRECAUTIONS

- Prepare only as much quantity as can be used within 30 minutes.
- Fresh cement should be used.
- Clean all tools with water immediately after use.

STORAGE & SHELF LIFE

- 12 months when stored in a cool & dry place, away from direct sunlight, in original sealed packing



DISCLAIMER

This information is accurate and reliable to the best of the knowledge. It is meant as a guideline only. Sunanda Speciality Coatings Pvt. Ltd. (SSCPL) cannot give any guarantees under any circumstances for the results, or assume any obligation or liability in connection with the use of this information. It is recommended that the product be tested to determine its suitability for specific applications. Since, SSCPL has no control over how others may use its products; it is recommended that the Specifier, Architect, Engineer, Contractor and Owner assume all the responsibilities in connection therewith.