



ALFASHIELD SBR 50

(Modified SBR Latex Bonding Agent)

DESCRIPTION

ALFASHIELD SBR 50 SBR Latex is based on modified styrene butadiene rubber latex supplied as a ready to use bonding agent in liquid consistency. It is used for repair of spalled concrete – floors, columns, beams, chhajja's, slabs & waterproofing of toilets & bathrooms, small terraces etc. as it bonds strongly to old & new concrete and to plasters. It reduces shrinkage, prevents cracking, dust pick up & improves abrasion resistance.

ADVANTAGES

Multipurpose – It is multipurpose & economical product, easy to use

Cracking – It prevents cracking by improving flexural strength

Hardness – Improves the hardness & prevents dust generation

Shrinkage – Reduces drying & aging shrinkage cracks

Bonding – Bond strongly to concrete, masonry, stonework, plasters, cementitious surfaces

Erosion & corrosion – Improves erosion resistance & prevents corrosion

Abrasion resistance – Improves abrasion resistance of the cement mix

Grouting – Reduces viscosity of cement injection grout for better fluidity & bonding

FIELD OF APPLICATION / USES

As a bonding agent for old to new concrete.

Suitable for general concrete repairs.

It gives excellent bond strength.

It can be used for protection of concrete against corrosion, salt attack, etc.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The application surface must be clean and free from dust grease and loose particles. Surface may be damp but not saturated. Prime the prepared surface using ALFASHIELD SBR 50 (1 part ALFASHIELDSBR 50 and 3 parts water) with brush, roller or spray.

ALFASHIELD POLYMER PVT LTD



For Waterproof Coating

After the primer coat is completely dried apply the treatment. Mix ALFASBR 50 with Portland cement in the ratio of ALFASHIELD SBR 50 : water : cement: 1:2:5 using slow speed mixers. Material should be preferably mixed in small quantities to avoid wastage. Minimum 2-3 coats of ALFASBR 50 are recommended depending on the nature of the surface

As Bonding Agent

The application surface must be clean and free from dust grease and loose particles. Surface may be damp but not saturated. Prime the prepared surface using ALFASHIELD SBR 50 (1 part ALFASHIELD SBR 50 and 3 parts water) with brush, roller or spray. Slurry coat with a mix design of 1:2 (1 Kg ALFASHIELD SBR 50 : 2Kg Cement) The applied Bonding agent should be in tacky condition before topping with new concrete. (15-20% water can be added for make slurry brushable; if Thick)

As Repair Mortar

The application surface must be clean and free from dust grease and loose particles. Surface may be damp but not saturated. Prime the prepared surface using ALFASHIELD SBR 50 (1 part ALFASHIELD SBR 50 and 3 parts water) with brush, roller or spray Repair Mortar with a Mix design of 1:4:7 (1 ALFASHIELD SBR 50 :4 Part Cement:7 Part sand) applied in specific area. After the application of repair mortar make the surface wet for 12-24 hours (It should not be flowing Water)

HEALTH & SAFETY

ALFASHIELD SBR 50 is safe, non toxic, and eco-friendly and present no health hazard. Protective clothing such as gloves and goggles.

INHALATION: Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

SKIN CONTACT: Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

EYE CONTACT: Flush eyes with water for 15 minutes and call for medical help.

INGESTION: Causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not

COVERAGE

1 Lt. ALFASBR 50 will cover approx.4.00–5.00 sqmt areas depending upon the surface.

**STORAGE & SHELF LIFE**

Shelf life is 18 months in unopened container. Store away from sunlight and preferably below 30°C.

PACKING

ALFASBR 50 is available in 1 kg, 5 kg, 20 kg, 50 kg, 200kg

TECHNICAL DATA

Parameters	Values
Appearance	Milky white
Solid %	40 ± 2
pH	8-10
1. initial setting time	24 hrs
2. initial curing time	72 hrs with moist cloth or water spray
3. complete curing time	28 day under water immersion
Flammability	Non – Flammable