



ISO American Global Standards
Certified ARMSTRONG's Product



(High Performance Specially Designed SBR Latex Polymer based
Bonding Agent)

DESCRIPTION OF THE PRODUCT :

ROOFBOND SBR- High Performance Specially Designed SBR Latex Polymer based Bonding Agent high quality cementitious repairs for structural restoration and the multi functional liquid for cementitious applications used for both internal and external surfaces also.

ADVANTAGES :

- High quality modifier and multifunctional product is a single component, to be gauged as per the requirement of site.
- It provides excellent properties of bonding and adhesion to cementitious systems like concrete, plaster, brick and stone / granite masonry works.
- It provides high quality, durable and impermeable cementitious concrete / mortar with excellent weather resistance for structural repairs and restorations.
- Filling of the tile / granite / marble / stone joints by adding cement & fine sand.
- It increases tensile and flexural properties of this applications.
- It also provides excellent waterproofing properties for screed, plaster etc.,
- Easy to use eco-friendly non-toxic material, compatible with all types of cement.
- High quality bonding aid repair admixture at most economical cost.

PROPERTIES :

The multifunctional modifier had typical mechanical properties for differential applications.

For Repair Mortar of 1:3 ratio mixing with ROOFBOND SBR @ 5 Ltrs Per Bag of 50 Kgs Cement.

MECHANICAL	CONTROL	ROOFBOND SBR
COMPRESSIVE STRENGTH (N/ mm ²)		
3 days	11.5	12.5
7 days	13.0	14.5
28 days	22.0	24.5
TENSILE STRENGTH (N/ mm ²)		
@ 28 days	2.5	3.5
FLEXURAL STRENGTH (N/ mm ²)		
@ 28 days	5.0	7.0

NOTE : Increased dosages of ROOFBOND SBR and further water reduction leads to improved mechanical properties.

TYPICAL APPLICATIONS :

1. AS A BONDCOAT

On a clean and well prepared surface apply ROOFBOND SBR cement slurry (SBR : Cement = 1:1 Parts)

After applying the bonding agent the fresh concrete / mortar has to be placed immediately on wet condition of the applied bond coat.

2. FOR WATERPROOFING

Two Coats on a clean and well prepared surface apply ROOFBOND SBR cement slurry (SBR : Cement = 1 : 1 Parts)

After applying the bonding agent the fresh concrete / mortar has to be placed immediately on wet condition of the applied bond coat.

3. REPAIR MORTAR AND PLASTER FOR MASONRY :

CEMENT	:	50 Kgs
SAND	:	150 Kg
ROOFBONDSBR	:	5-9 Ltrs
WATER	:	10-15 Ltrs
RECOMMENDED THICKNESS	:	8 to 30mm

CURING : Moisture cure for 24 Hrs allow to dry out.

4. FOR STRUCTURAL REPAIRS

(I). After bond coat as above mentioned, on wet condition has to lay :

CEMENT	:	50 Kgs
SAND	:	50 Kg
AGGREGATES	:	100 Kgs
ROOFBONDSBR	:	5-9 Ltrs
WATER	:	10-15 Ltrs
RECOMMENDED THICKNESS	:	20 to 50mm

CURING : Moisture cure for 24 Hrs allow to dry out.

5. HEAVY DUTY FLOORSCREEDS :

CEMENT	:	50 Kg
3-6mm Granite chips	:	75 Kg
Zone II sand	:	75 Kg
ROOFBOND SBR	:	5-9 Ltrs
Recommended water addition	:	9-12 Ltrs
Recommended thickness	:	10-25 mm

The screed should be of a semi-dry cohesive consistency

CURING : Moisture cure for 24 Hrs allow to dry out.

CLEANING : Tools and equipment should be cleaned with water immediately after use.

PACKING : ROOFBONDSBR : is supplied in 1, 5, 20, 30 & 210 Ltrs Barrel.

COVERAGE : As a bond coat - Mixing with 1 Part of ROOFBOND SBR with 1 Part of Cement / 40 to 65 SFT / Ltr / Coat depending on the substrate.

SHELF LIFE: ROOFBONDSBR : has a shelf life of 24 months from the date of manufacture.

PRECAUTIONS: HEALTHY & SAFETY INSTRUCTIONS:

ROOFBOND SBR should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles should be worn.

If contact with skin occurs wash well with soap and water. Eye contaminations should be washed thoroughly with clean water and medical advice sought. If swallowed seek medical attention immediately. Do not induce vomiting.

FIRE : ROOFBONDSBR : is non flammable

ARMSTRONG products are tested, approved and extensively used in the works of CPWD., State PWDs', Irrigation, Housing Boards, Thermal / Hydel Power Projects, Steel Projects, Road Projects, Water works Projects, MES, Railways & Scores of important projects Internationally.



Manufacturers :
ARMSTRONG CHEMICALS PVT. LTD.

An ISO 9001 : 2008 Certified Company

Regd. Off :

36/1, G-5, New International Airport Road,
Ganga Nagar, BENGALURU - 560 032.

e-mail : info@armstrongchemicals.com
armstrongchemicals@gmail.com

Web : www.armstrongchemicals.com

Please Contact for Customer Care

Information : **08095621122**

Toll Free No. **1800 103 2034**



Authorised Distributor / Stockist

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