

SUNKOLL BOND REPAIR Technical Data Sheet

SUNKOLL[®]
ABILITY ♦ STABILITY ♦ DURABILITY

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Main application

Ideal for filling cracks, spalls, and voids in concrete surfaces, ensuring structural integrity and enhancing durability.

SUNKOLL BOND REPAIR is an SBR based latex specially developed to form a matrix with cement. It is used for waterproofing of toilets & bathrooms, small terraces & other wet areas too. It bonds strongly to old & new concrete and to plasters and act as bonding agent. It is also used to repair spalled concrete – floors, columns, beams, chhajas, slabs. It reduces shrinkage, prevents cracking, dust pick up & improves abrasion resistance.

How To Use



Technical advantage of SUNKOLL BOND REPAIR

- Multipurpose – use as a bonding agent, waterproofing coating, modifier for cement-sand mortar & concrete mixes
- It is economical product, easy to use.
- Non-Cracking – It prevents cracking by improving flexural strength.
- Improves the hardness, compression strength & prevents dust generation.
- Reduces shrinkage cracks & water permeability in concrete & mortar.
- Bonding – Bond strongly to concrete, masonry, stonework, plasters, cementitious surfaces, asphalt & most of the building materials.

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Water Proofing Chemicals | Adhesives | Grouts/Epoxy Grouts | Wall Putty

AREA OF USE

As a bond / passivator coat	For waterproofing	For Concrete repairs & mortars
For bonding of new concrete to old concrete, masonry stonework, plastering, for pinhole treatment on concrete surface & passivator coat for bars	Small roof terraces, sunken portions of toilets & bathrooms, chhajas & lift pits, balconies & staircases, liquid & effluent tanks, car decks & walkways	Spalled concrete of floors, columns, beams, chhajas, slabs, parapets, screed, plaster & polymer modified mortar (PMM)

SUBSTRATE PREPARATION (Repair)

- Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles, laitance & dust. Degrease the surface by using suitable solvents.
- Repair the spalled concrete portion by saw, cutting the extreme edges of the repair location to a depth of at least 10 mm to avoid featheredging & to provide strong bond.
- Clean the concrete surface to remove any contamination where breaking is not possible.
- Roughen the surface by light scabbling or grit blasting.
- Expose corroded rebar in the repairing area fully.
- Remove all loose scales & corrosion deposits and immediately clean the surface.
- Apply a passivator coat with 1 part cement: 1 part SUNKOLL BOND REPAIR, coat on cleaned reinforcement bar and allow to dry for 2-3 hours.

Technical Performances

Appearance	White (Milky) Liquid
Density	1.01±0.02 kg/litre
PH Value	7.5-9.5
Solid content%	44±1
Pot Life of mixed material with cement (1:1.5)	Minimum 2 hours
Bond Strength (ASTM C882)	> 3.5 N/mm²
Water Permeability of waterproofing coating @5bar (EN 12390-8)	NIL
Colour of Cured Film	I Grey
Adhesion on Concrete as per ASTM D 7234	> 0.5 N/mm²
Resistance to water penetration (DIN 1048)	Passed with no water penetration
Compressive Strength (ASTM C109) - 28 days (OPC-50 kg, Graded, Washed & Dry Sand - 150 kg, Water-10 litre)	> 20 N/mm²
Flexural Strength (ASTM C348), 28 days (OPC-50 Kg, Graded, Washed & Dry Sand - 150 Kg, Water-10 litre)	> 4 N/mm²



SUNKOLL Green Building Index :

SUNKOLL Range of Products are most eco-friendly and suitable to use in all kind of buildings including certified green. Apart from using best of international raw material for best performance, SUNKOLL procure the major raw material locally to safeguard environment.

SUNKOLL Quality & Safety Assurance

Products supplied are safe to use by any worker at site. However proper tools and safety measures must be in place for prolong working. The gloves, safety glasses and other protection measure must be followed as per local regulation.

Declaration :

Check before using the product about performance and final expected results. **SUNKOLL** cannot be held All the above information and results are provided based on **SUNKOLL** internal quality test. Customer must responsible for any damage of whatsoever nature at site.

UNIT - 1 SUNKOLL INDUSTRIES LIMITED

Plot No. 62, Tarang Industrial Estate
Hadamtada Ta. Kotda Sangani N.H. 8-B
Rajkot(Gujarat) - 360 311

UNIT - 2 SUNKOLL INDUSTRIES LIMITED BARODA

UNIT - 3 SUNKOLL INDUSTRIES LIMITED JAIPUR

UNIT - 4 SUNKOLL INDUSTRIES LIMITED GUWAHATI

TECHNICAL SERVICES & CUSTOMER CARE MANAGER : +91 70698 82251

TOLL FREE : 1800 890 2343

Email: sunkollindltd@gmail.com