CCI NEOBOND SBR

SBR Latex based All-purpose Waterproofing and Bonding Compound

Description

CCI Neobond SBR is a single component, polymeric synthetic rubber emulsion (SBR), which can be added to any cementitious formulation, to achieve bonding and waterproofing properties.

Domains of Application

- ✓ In rendering/plastering work on all brick walls in Residential and Industrial structures.
- ✓ In silos, basement structures and for damp-proof course in residential buildings.
- ✓ For repair/maintenance work of existing damp wall, saltpetre action in brick work.
- ✓ As an integral damp proofing /waterproofing compound in concrete for roof, slab etc.
- ✓ In marine structures and sea-facing buildings.

Advantages

- ✓ Ensures complete water repellent concrete.
- ✓ Eliminates / Reduces dampness from the plastered surface of the brick work.
- ✓ Protects concrete from weak acid / salt solution, oil, and hydrocarbons.
- ✓ Prevents / Reduces sweating, efflorescence, saltpetre action.
- ✓ Resists fungal growth on the plastered surface of the brick.

Indicative Characteristics

Form	Milky white liquid
Specific gravity @ 30°C	1.03 ± 0.02
pH	7 to 9
Bond strength, kg/cm^2	Not less than 30
Flexural strength at 28 days, kg/cm^2	Not less than 70

Method of Application

CCI Neobond SBR is versatile product which can be mixed with cement slurry, mortar, concrete, or grout, as per recommended dosage in each case. Masons enjoy using it as an additive to repair mortars and renderings, to arrest rebound loss, due to its thixotropic properties. An excellent remedy against rising dampness, saltpetre action and damp walls, when used as a plaster additive.

In Cement Slurry

Dilute 100 g **CCI Neobond SBR** with 400 g of clean water. Pour 1 kg cement into this milky solution and keep mixing till it forms a uniform slurry. This slurry will cover about 4 m^2 to 5 m^2 and it will form an excellent bond coat, on which an overcoat can be applied, while the bond coat is tacky.

As Damp-Proof Course (DPC)

Depending on ground water label, location, and seasonal moisture contents of the substrate, **CCI Neobond SBR** can be diluted with gauging water; accordingly, either in the ratio 1: 4 or 1: 6 and used to hydrate the flooring / DPC material. In marshy areas, a slurry coat (1: 4: 10 = Latex: Water: Cement) is recommended.

As Direct Bond Coat

The surface should be thoroughly cleaned and roughened for mechanical key. Mix 2 parts of cement with 1 part of diluted **CCI Neobond SBR** (Latex: Water = 1: 1 to 1: 4,) and apply evenly over the substrate, using a brush. The new topcoat should be applied when this primer coat is still tacky. As a prime coat for bonding, consumption of **CCI Neobond SBR** will be about 200 to 300 g/ m^2 depending on the porosity of the substrate.

As Mortar/Render

Dilute **CCI Neobond SBR** with water. Add this diluted solution of **CCI Neobond SBR** to cement-sand mixture, the mixture will become creamy and user-friendly. Masons enjoy using this, as the speed of plastering also increases. Dilution of **CCI Neobond SBR** with water can be done in the ratio of 1: 2 to 1: 10 depending on the severeness of the water seepage.

As Putty for Joints

Mix **CCI Neobond SBR** with water in the ratio 1: 1 to form liquid A. Mix one part cement to three parts of sand to form powder B. Mix A: B in the ratio 1: 8 to form a mortar of putty consistency, for application in joints. Apply putty in SSD condition after proper nosing of joints; cure for 28 days.

www.ccichemicals.in
info@ccichemicals.in
Chemtech Concrete India Private Limited
CIN: U24290MH2022PTC396031
Office No. A-703, Shelton Sapphire, Sector-15,
CBD Belapur, Navi Mumbai – 400 614, Maharashtra, India

In Cementitious Grouts

CCI Neobond SBR can be added to freshly prepared grout and used either for pocket grouting, baseplate grouting or for injection purposes.

For Injection Grouting: Mix 2 to 3 L Latex per bag of cement, along with other grouting admixtures.

For Baseplate and Pocket Grouting: Dilute Latex with gauging water in the ratio 1: 8.

In Concrete

In any nominal mix, **CCI Neobond SBR** can be added with the gauging water in conjunction with other admixtures, while producing concrete. The dosage of **CCI Neobond SBR** in concrete shall be between 2% and 6% by weight of cement, or as advised by our Technical Services. **CCI Neobond SBR** can also be used in successive concrete coats to avoid cold joints.

Shelf Life & Storage

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5˚C to 40˚C.

Packaging

1 kg, 5 kg, 20 kg and 200 kg containers.

Precautions

- ✓ **CCI Neobond SBR** System must be applied when ambient temperature is above 10˚C and below 35˚C.
- ✓ Only **CCI Neobond SBR** diluted with water should not be used as a bond coat or for priming purposes; instead, neat cement should be added to a slurry consistency for priming.
- ✓ While churning a mortar in a bowl, mixing should not be continued for too long. Mortar should be poured out as soon as it is cohesive.
- ✓ For crack filing or grouting, follow standard codes of practice, i.e., the crack lines should be chipped and exposed to form a V-groove, threaded G.I. Nozzles to be affixed at regular intervals using quick setting cement additives, e.g., Neogrout ST - polymeric grouting compound for flowability and **CCI Neobond SBR** is to be added as per recommended dosages.
- ✓ All surfaces should be thoroughly wetted to a saturated, surface-dry (SSD) condition before applying **CCI Neobond SBR**.

Safety

- ✓ Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- ✓ In case eyes or mouth are affected, wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

Registered Office	Regional Office	Chennai Plant	Mumbai Plant
Office No. 210 Shah Heritage Commercial CHS Plot No. 9, Sector 48, Seawood Navi Mumbai – 400 706 Maharashtra, India Mobile: +91 93247 27785 E-mail: kashinath.bera@ccichemicals.in	'LAKSHMAN MANERE' Old No. 17/2, New No. 42/2, R Block 6th Main Road, Anna Nagar West Chennai – 600 040 Tamilnadu, India Mobile: +91 98400 73183 E-mail: durai.murugan@ccichemicals.in	No. 1, Perumal Koil Street Azhinjivakkam Sriperumpudhur Thiruvallur – 602 105 Tamilnadu, India	Plot No. A-51 Taloja Industrial Area MIDC, Taloja Navi Mumbai – 410 208 Maharashtra, India