

CCI NEOBOND SBR LATEX

SBR Latex Emulsion Additive

Description

CCI Neobond SBR Latex is a styrene butadiene rubber latex emulsion additive. It is designed for use as an integral bonding agent with cement-based products in slurry bonding coats, mortars, screeds, renders and tile adhesives. It is used to improve adhesion to properly prepared substrates. The tile adhesive so prepared is good for bonding all types of tiles.

Domains of Application

- ✓ Cement based toppings, patching mortars, leveling compounds and terrazzo waterproofing.
- ✓ Cement/sand renders / screeds
- ✓ Bonding concrete repair mortars
- ✓ Bonding agent for ceramic tiles, bricks, etc.
- ✓ Preparation of spatter dash

Advantages

- ✓ Increases flexural and tensile strength
- ✓ Improves bond strength
- ✓ Improves workability
- ✓ Improves abrasion resistance
- ✓ Reduces shrinkage and cracking
- ✓ Resists chemical and water resistance
- ✓ Protects from freeze-thaw damage
- ✓ Reduces water absorption of mortar

Indicative Characteristics

Form	White emulsion liquid
Specific gravity	1.02
pH	7.8 to 10

Method of Application

Surface Preparation

Surface must be structurally sound. Remove all deteriorated concrete, dirt, oil, grease, curing compounds, coatings and all bond-inhibiting materials from the surface. New concrete and masonry surfaces must be cured in 28 days. Preparation work should be done by high-pressure water blast, or other appropriate mechanical means to obtain a clean, exposed aggregate surface. Saturate surface with clean water.

The substrate should be saturated surface dry with no standing water during application. Follow the surface preparation directions for the product in which **CCI Neobond SBR Latex** is being used as an admixture.

Mixing

Bonding slurry: A mixture of 1: 1.5 **CCI Neobond SBR Latex**: OPC (by volume) bonding slurry is prepared and mixed in a clean container until a creamy brush consistency is obtained. Mix only the amount that can be used within the working life of the product.

Polymer admixture for mortars: With mixer running, add measured quantity of **CCI Neobond SBR Latex**, water, OPC, sand and aggregate depending on type of application. Mix to desired consistency.

Typical designs are detailed below:

1. Render (Recommended thickness: 6 mm to 8 mm)

	By weight	By volume
Cement	50 kg	1 part
Sand	125 kg	2 part
CCI Neobond SBR Latex	9 kg	1: 1 SBR/Water
Water	9 kg	To working consistency
Approximate Yield 0.08 m ³		

2. Heavy-duty floor screed (Recommended thickness: 25 mm to 40 mm)

	By weight	By volume
Cement	50 kg	1 part
Sand	75 kg	1.25 part
Granite chips	75 kg	1.25 part
CCI Neobond SBR Latex	9 kg	1: 1 SBR/Water
Water	10 kg	To working consistency
Approximate Yield 0.08 m ³		

Application

Bonding fresh mortar or concrete to hardened concrete: The properly prepared surface must be damp but free of standing water or puddles. Scrub bonding slurry thoroughly onto prepared substrate. Be sure the entire surface and edges are coated. Apply mortar or concrete while bonding slurry is soft and plastic.

Polymer modified mortars: Must be placed immediately following bonding slurry. Trowel immediately and broom finish, if needed. Avoid over troweling or over finishing surface. It is impossible to achieve a hard steel trowel finish; **CCI Neobond SBR Latex** is normally self-curing. In hot weather or windy conditions, as soon as possible, the use of polyethylene sheeting is recommended for a minimum of 24 hours.

Curing

CCI Neobond SBR Latex applications are cement based and in common with all such materials, must be cured in accordance with good concrete practice. The use of polythene sheeting is recommended for a minimum of 7 days to prevent rapid drying out.

Cleaning

Wash all equipment in water or water/detergent immediately on completion of application and mixing. Clean drips, spills and smears while mix is still wet. Mixes containing **CCI Neobond SBR Latex** are extremely difficult to remove if allowed to dry before cleaning.

Packaging

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

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.

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.

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