

**PRODUCT DESCRIPTION:** Fibcrete SBR is a milky-white, Styrene Butadiene co-polymer latex liquid, produced from styrene and butadiene by high pressure emulsion polymerization with high dispersive properties.

## AREAS OF APPLICATION

- A bonding compound to repair old, damaged columns, beams and soffits. Food Processing and Electronics Industries
- Toppings, patches and leveling courses on concrete structured members.
- Thin sets, terrazzo, stucco and bonding slurries.
- General reconstruction work and latex modified overlays.
- Passivating coat on reinforcement.
- Waterproofing of Rooftops
- Shower recesses, Decks and podiums
- Waterproofing of Dry Walls, Balconies and Terraces
- Waterproofing of Wet Areas (under-tile) in Bathrooms, Balconies, Kitchens, etc
- Protection of Polyurethane Foam Insulation

## ADVANTAGE

- Single component easy to use.
- excellent bond/adhesion to concrete, adhesion plaster, masonry, stone work, etc.
- Improves weather resistant mortar with improved durability impermeability to chlorides and other harmful agents.
- Can be used as waterproof screeds, plasters and Permeability slurries.
- Improve tensile and flexural properties/strength allow thin applications.
- Compatible with all common hydraulic cements.
- Economical(cost saving) to use
- Reduction in W/C, increases durability & toughness.

## APPLICATION METHODOLOGY

### SURFACE PREPARATION

- If using this product as a slurry bond coat, the concrete must be a minimum of 3 days old.
- The concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using a scabber, bushhammer, scarifier which will give a surface profile of a minimum 3 mm and expose the large aggregate of the concrete.

### NOTE: Acid etching is not acceptable

- The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing. Do not place slurry coat on standing water.
- All concrete must possess an open surface texture with all curing compounds and sealers removed.
- All areas should be pre-wetted to reduce moisture loss. Do not place product on standing water.

## BONDING

- For bonding toppings with this product, FIBREX strongly recommends using a slurry coat rather than using this product as a primer by itself.
- After the surface has been prepared, prime all areas with a slurry coat before the topping is applied. Follow mixing using drill machine fitted with paddle or small mixer machine. Place the topping on the slurry coat before the slurry coat dries out.

## MIXING

Add FIBCRETE SBR first into the bucket & scaling while stirring add powder (cement/sand/aggregate) till the mix is smooth & consistent.

Usage	Mixing Ratio	Consistency
Bond Coat	1(SBR):1.5(Cement)	Slurry
Waterproofing slurry	1(SBR):2(Cement)	Slurry
Repair Mortar	1(SBR):5(Cement):12.5(sand):1(water)	Thick paste
Floor Screed	1(SBR):5(Cement):7.5(sand):7.5 aggregate:1(water)	Thick paste

## APPLYING AND LAYING

Discharge material onto the floor.

Topping Application: For patching, spread with a trowel, come-a-long or a square tipped shovel to a thickness that matches the surrounding concrete. Finish by hand trowelling.

On large floor areas, used screed strips as guides in combination with vibratory screeding to level. Compact and finish by hand or machine trowel.

## CURING

Proper curing procedures are important to ensure the durability and quality of the repair or over-layment. To prevent surface cracking a moist cure should be maintained for 24 hours upto 3 days.

## REPAIR APPLICATION

Structural repairs for columns & beams can be executed using polymer mortar. This is a dry pack method to build up the spalled areas of the cover zone of concrete and has high compressive and tensile strengths. Consult the Technical Service Division of FIBREX- Building Product Division for complete specification and details on SBR repairs.

## CLEAN UP

Clean tools and equipment with water before the material hardens.

## TECHNICAL SPECIFICATIONS

Consistency	Liquid
Color	Off white
Specific Gravity	1.01-1.02
pH	8-9
Viscosity mPa.s	200-500
Application Temperature	10°C to 40°C
Flammability	Non-Flammable
VOC	< 200 g/l
Solid Content	25% ± 1
Pot Life at 27°C	25-30 mins
COMPRESSIVE STRENGTH OF REPAIR MORTAR (50mm)(BS 6319)Cubes @27°C	
3 days	9.61 MPa
7 days	14.02 MPa
FLEXURAL STRENGTH	
28 days	5.9 MPa

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

- Do not apply FIBCRETE SBR on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %. Consult fibrex before using FIBCRETE SBR in those areas.
- Do not apply FIBCRETE SBR to asphalt, weak or infirm concrete, unmodified sand-cement screeds, PVC tiles or sheets, or substrates known to move substantially.
- Do not apply FIBCRETE SBR over treated expansion joints.

### Please contact FIBREX for installation of floor coating over

- Oil / Fat rigged floors
- Floors with rising moisture problem
- Asphalt based surface (interior)
- Floors with a pull off strength less than 1.5 N / mm<sup>2</sup>

## PACKAGING

FIBCRETE SBR is available in 5 kg can, 15kg can set, 20 kg bucket and 200 kg barrel.

## STORAGE

FIBCRETE SBR has shelf life of 6 months if stored properly in original, unopened packing between +5° to + 40° in dry areas.

## PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

## DISPOSAL / SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

## NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

## HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

## DISCLAIMER:

Fibrex Construction Chemicals pvt. ltd. products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

## FIBREX OTHER PRODUCTS – WE DO

