



webertec SBR



Styrene Butadiene rubber based multipurpose polymer for waterproofing, bond coat and concrete repairs with high polymer content and excellent water repellent properties



## Product description

**webertec SBR** is a high-performance synthetic styrene-butadiene rubber (SBR) based water based multipurpose polymer for waterproofing, concrete repairs and can also be used as a bond-coat for bonding of new concrete to old concrete. When added to plasters it improves workability of concrete and making the surface impermeable to liquids.

Its unique properties makes it ideal even for do-it-yourself waterproofing of toilets and bathrooms, plastered masonry and external walls.

## Typical application

- Concrete Repair – Repairs of spalled concrete, floors, columns, beams, chhajjas, pre cast segments.
- For making polymer modified mortars: By admixing webetertec SBR in sand cement mix.
- For waterproofing of sunken slabs of bathrooms, chajjas, balconies, terraces upto 750 sq ft, retaining walls, water tanks.
- As a bond coat for bonding of new concrete to old concrete.
- Polymer modifier for floor screeds.

## Features and benefits

- Multipurpose polymer which improves flexibility of cement, elasticity, tensile strength of cement thereby reducing cracking in mortars and cement screed.
- Bonds strongly to variety of cementitious substrates like concrete, plasters, masonry, stonework, etc.
- Economical and easy-to-use waterproofing system that can be applied on variety of substrates just by mixing with cement.
- Waterproofing can be reinforced by placing 45 GSM glass fiber mesh between first coat and second coat.

- Lowers water cement ratio, thereby reducing permeability and improves water repellency. Improves flexural strength of concrete thereby reducing shrinkage cracks.
- Improves hardness of substrate and thereby improves abrasion and reducing dust generation when admixed in floor screed.

## Technical parameters

Appearance	Milky white liquid
Solid content	47%
Specific gravity @ 25°C	1.03 +/- 0.01 g/cc
pH	9 – 11
Pot life of cement slurry @ 25°C	1 hr

## Application method

### Surface preparation

- Clean the surface using a wire brush/scrubber or any other mechanical method to ensure that the surface is free from any loose material, dirt, dust, cement laitance, mould release agents, oil or any bond inhibiting substance like rust, scales, old coatings etc.
- At the edges, saw cut concrete in square or rectangular profile to a depth of 10 mm. This would ensure additional bond strength with the subsequent coat.
- Corroded reinforcement bars must be exposed around their full circumference. They must be cleaned to remove rust or any loose material and must be coated with weberprim Epox 501.

### As waterproofing slurry coat

- Cementitious surfaces must be saturated thoroughly with potable water before application of subsequent coat. Excess water must be removed.
- Mix webertec SBR and water thoroughly and

add cement as per proportions mentioned in "recommendation chart".

- Mixed material must be used in 20-30 mins after mixing.
- Apply first coat of this mix uniformly using a brush and allow it to dry for 2-3 hours.
- While the first coat is still slightly tacky, freshly mix the ingredient in proportions mixed previously and apply second coat of this mix in a direction perpendicular to the first coat.
- A 45 GSM glass fiber mesh can also be embedded between 2 coats for additional durability.
- After 7 days cover this layer with a protective screed/ plaster / tiles.

#### As slurry bond coat

- Cementitious surfaces must be saturated thoroughly with potable water before application of subsequent coat. Excess water must be removed.
- Webertec SBR is a ready to use liquid which must be used in the proportions mentioned in "recommendation chart".
- Mix weberetc SBR and water uniformly and then add the powdered ingredients until a uniform lump free consistency is achieved.
- Apply once coat of slurry using a stiff brush, working it well into the surface.
- Stir the mix at regular intervals to avoid settling of cement particles from settling at bottom.
- Place fresh concrete after 30 mins while the applied coat is still tacky.

#### As concrete repair and bedding mortar

- Expose the spalled concrete upto reinforcement bars. Corroded reinforcement bars must be exposed around their full circumference. They must be cleaned to remove rust or any loose material and must be coated with

weberprim Epox 501.

- Apply webertec SBR as a bonding agent between existing and new repair mortar as recommended above.
- Mix webertec SBR and water in a container separately and mix cement and sand in another container as per proportions mentioned in "recommendation chart". Add the liquid to the mix to the mixture of sand and cement and mix thoroughly until a uniform consistency mix is achieved.
- Apply this mortar while the bond coat is slightly tacky and build up the cross section to be repaired.
- Mortars admixed with webertec SBR shall harden faster and shall be watertight than untreated mortars.
- For higher thickness, apply in multiple layers at interval of 12 hours.

#### As modified plaster

- Mix webertec SBR and water in a container separately and mix cement and sand in another container as per proportions mentioned in "recommendation chart". Add the liquid to the mix to the mixture of sand and cement and mix thoroughly until a uniform consistency mix is achieved.
- Apply this mix as per desired thickness using proper tools.

**Note:** Webertec SBR is recommended for internal applications only

### Recommendation chart

Application	webertec SBR	Cement	Sand	Water	Approximate consumption
Volumetric ratio					
Waterproof slurry coat (2 coats)	1	2	-	0.5	55 sqft / litre in one coat
Slurry bond coat	1	1.5	-	0.5	75 sqft / litre in one coat
Polymer modified concrete repair mortar	1	5	14	4	1 cu.ft. in 50 kg mix
Modified plaster	1	5	20	5	1.25 sqft / kg of mix @ 5 mm thickness

## Precautions and limitations

- Please adhere to recommended mixing ratios to achieve desired results.
- Avoid adding excess water to improve workability of mix.
- Cementitious surfaces must be saturated thoroughly with potable water before application of subsequent coat.
- For bond coat application, the repair mortar must be applied when the surface is tacky. In case the bond coat appears to be hardened, application of another bond coat is recommended.
- For waterproofing applications, apply at least 2 coats of waterproofing slurry. This must be covered with a protective layer.
- For curing of polymers modified mortars, is recommended to cover the surface with a polyethylene film, use wet burlap/gunny bag/hessian cloth. Cure it for 3–5 days. Surfaces must not be ponded with water in any condition.

## Packing

1 ltr, 5 kg and 20 kg

## Shelf life

12 months from the month of manufacturing if stored in original and unopened packaging in a cool & dry place away from direct sunlight.

## Health & safety

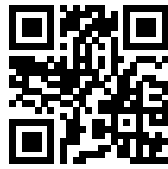
- Wash skin with soap & water. Remove contaminated clothes.
- Immediately splash eyes with plenty of water. Consult Physician if irritation persists.

## Disclaimer

The user should determine the usability of the product for its intended use. Our products are manufactured under the Saint-Gobain quality standards, and subjected to strict quality control procedures. Since the company has no control over site conditions and installation procedures, the company will not be responsible under any circumstances for any loss, damage or liability from incorrect usage.



FDS / SDS / DoP  
Product information



<https://goo.gl/d39avs>

Scan QR code to download android app for product information and technical data for our complete product range, directly from your smartphone.



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