

CRESBOND SBR is a Styrene Butadiene Rubber copolymer based product which is used in mortar and concrete as an admixture and bonding agent to increase its water resistance and durability. It is ideal for use in internal and external renderings, flooring screeds and patch repairs. It has numerous uses as an admixture, primer, bonding agent and sealer.

ADVANTAGES

- Excellent adhesion to concrete, steel, stonework, masonry, etc.
- Non corrosive to steel.
- Reduces shrinkage and cracking in repair and screed mixes.
- Increases durability and flexibility.
- Ensures bonding of floor toppings, renders and repairs.
- Compatible with all types of cements.

USES

- Bonding: For bonding of new to old concrete, tile bending and fixing of slip bricks.
- Floor screeds and toppings: Abrasion resistant and non-dusting floors.
- Admixture: As an admixture for cementitious systems. Improves the durability, water proofing and abrasion resistance properties of mortars.
- For repairing cement and mortar.
- Waterproof renders and cementitious slurries.

SURFACE PREPARATION

Make sure the surface is dry and not subject to rising or continual dampness. Clean well to remove all unsound and foreign matter i.e. mould oil, dust, laitance, grease, lime wash, distemper, emulsion paint, flaking paint, etc.

BONDING SLURRY

Surfaces should be saturated with water to avoid possible backwater at the moment of casting. However, ensure that the surface is free of standing water. Prepare a bonding slurry by mixing two parts O.P. Cement to one part of **CRESBOND SBR** (by volume). Using a stiff brush, work the bonding slurry well into the damp surface, ensuring that no pinholes are visible. Do not apply bonding slurry at a thickness in excess of 2 mm. If a second coat is necessary, it must be applied at right angles to the first to ensure complete coverage.



TECHNICAL PROPERTIES

Description	Value	Standard
Colour	Milky white	-
Specific Gravity @25°C	1.01 (±0.03)	-
Solid Content, %	35(±2)	-
pH	8.5 to 9.0	-
Flammability	None	-

All values given are subject to 5-10% tolerance.

MIXING

CRESBOND SBR must be diluted with water according to the required application. The solution must be poured into a cement mixer and then cement and filler can be added. Mix for few minutes till homogeneous mixture free from lumps is achieved. At cold conditions use warm water and at high temperatures use cold water to mix the product. **CRESBOND SBR**: Minimum dosage of 10 ltr per 50 kg of cement is recommended to be used. For more demanding situations 15 lit per 50 kg of cement is recommended. Mixing should be carried out in an efficient concrete mixer Pour the required quantity of sand and cement and premix for approximately one to two minute. Pour the required quantity of **CRESBOND SBR** and mix for two minutes. Add the water slowly until the required consistency is achieved. Avoid adding excessive water which will result in segregation and bleeding.

RENDER TO VERTICAL SURFACES

Apply the bonding slurry to the prepared surface and then render immediately with **CRESBOND SBR** modified mortar. Apply in coats to a maximum thickness of 5mm per coat. Several coats can be applied at intervals of 20–30 minutes. Thicker coating can be applied when suitable form work is used. Finish the surface using wooden float or steel trowel.

SCREEDS AND TOPPINGS

Screeds based on **CRESBOND SBR** modified mix should be placed over the wet bonding slurry, well compacted and struck off to level. It may be trowelled to the required finish using a steel trowel.

CURING

CRESBOND SBR mortars, toppings and renders are cement based. In common with all cementitious materials, they must be cured by curing compound immediately after finishing in accordance with good concrete practice.

CLEANING

Clean all the tools with water immediately after use.

PACKING

200 Liter drum and 20 liter jerry can.

STORAGE

The drums & cans must be stored in a covered area, away from direct sunlight and protected from extreme temperature.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of the product is 12 months from the date of manufacturing.

HEALTH AND SAFETY

Non-hazardous, but care should be taken to avoid splashes in the eyes and inhaling the vapors. Contains small quantities of bactericide – avoid prolonged contact with the skin. Harmful if taken internally.

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable, care is taken compiling this technical data sheet, all recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control.

It is the customer's responsibility to satisfy them that each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

**Refer material safety data sheet (MSDS) for further information.*