KingBond ® SBR300

Liquid polymer bonding agent additive for cement containing mixes.

DESCRIPTION

KingBond SBR300 is a single component styrene butadiene rubber latex. It is designed to improve the physical properties of cement mixes and slurries.

APPLICATIONS

KingBond SBR300 is ideally designed for use in the following applications:

- Bonding of new to old concrete when used as a slurry coat.
- To produce polymer modified screeds and floor toppings.
- Bonding of thin polymer modified screeds and or toppings to old substrates.
- To provide a mechanical key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- To produce a repair mortar for patching of honey combed concrete, internally and externally.
- To produce water-proof renders.

ADVANTAGES

- Effectively increases the bonding/ adhesion of cement mixes.
- Excellent water proof additives which helps produce water-proof renders, screed and toppings.
- Effective plasticizer, giving improved workability and cohesion.
- Improved mechanical and physical properties by increasing tensile, flexural and adhesive strengths.
- Reduces shrinkage and cracking in repair and screeding mixes.
- Good freeze/thaw resistance.
- Chloride free.

METHOD OF USE

Substrate Preparation

The Substrate should be sound, clean and free from contamination. Surface Laitance should be removed by acid etching. For patch repair, cut back the edges of the repair areas to a minimum of 10 mm depth to avoid thin repair thicknesses.

All substrates should be damped with water prior to commencing the repair.

Exposed steel reinforcements should be grit blasted or wired brushed to a bright finish and protected with epoxy zinc primer.

TECHNICAL PROPERTIES @ 25^{0}C:

Specific gravity:	Around 1.0
Colour:	White

MIXING

Bonding agent:

The recommended mix to produce slurry consistency can be achieved by mixing, by volume, 2 KingBond SBR300: 3 OPC cement. Use a stiff brush to apply a thick coat to damp surfaces. Application of the subsequent renders, mortar, or screed should take place while the bond coat is still wet (tacky). DO NOT apply on dry bond coats. If bond coat dries before subsequent application, roughen the dry coat before applying a further coat.

APPLICATION

Damp the prepared substrate, apply a bond coat and while still tacky apply the screed, repair mortar or render mix using wooden float to place and compact. Finish with a steel float. Care should be taken for appropriate curing. Use a chemical curing compound or wet hessian completely covered with a polyethylene sheet for curing.

CLEANING

All tools shall be cleaned immediately after application using fresh water. Hardened materials must be cleaned mechanically.

PACKAGING

KingBond SBR300 is available in 5 and 25 liters drums.

STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult KingKrete's Technical Services Department.

KingBond ® SBR300

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KingKrete representative.

KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from KingKrete's manufacturing facilities are manufactured under a management system independently certified to conform to the requirements of the quality standard ISO 9001.

* Properties listed are based on laboratory-controlled tests.

® = Registered trademark of the KingKrete-Group in many countries.

SBR300-R3-2601

STATEMENT OF RESPONSIBILITY	The technical information and application advice given in this KingKrete Inc. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.
NOTE	Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.

KingKrete Middle East
www.kingkrete.com