

HyperBond 5000

High dispersion SBR latex ensuring higher mixing efficiency with water reduction for site batched mortar & waterproofing/ bonding slurry/ screed

Product Description

HyperBond 5000 is single component milky-white styrene butadiene rubber (SBR) latex. It is designed to improve the physical properties of cement mixes and slurries.



Areas of Application

- For bonding new concrete to old concrete, plaster, stone/ brick masonry.
- For repairing of spalled concrete, repairing floors, beams and pre-cast slabs, etc.
- To produce polymer modified screeds and floor toppings also to produce elastomeric concrete.
- For repairing plaster or making waterproof plaster which is better than normal plaster.
- To provide a mechanical key prior to rendering of various plaster mixes on concrete, brick and block surfaces.
- Used as a water proofing agent in damp proofing concrete (D.P.C).
- To produce a repair mortar for patching of honey combed concrete, internally and externally.

Advantages

- Multiple applications; robust product that is economical, easy to handle and store.
- Effectively increases the bonding/ adhesion of cement mixes.
- Excellent water proof additives which helps produce water-proof renders, screed and toppings.
- Ensure excellent adherence and elasticity.
- Water based, non-solvent and odor-free.
- Resistant to alkali environment.
- Improves physical / mechanical properties; higher abrasion resistance, good adhesion to building materials, similar thermal characteristics to concrete.
- Reduces shrinkage and cracking in repair and screeding mixes when used (2.5 -5.0% by weight of cement).
- Ensures resistance against wearing.
- Good freeze/thaw resistance.
- Nontoxic and Chloride free.

Disposal

Empty packages can be thrown to the collection bins according to regional-local regulations or recycling rules. After drying up and hardening the used waste material, throw it away as construction waste material. It is dangerous to dispose of product wastes by burning them.

Points to Take into Consideration

Keep the products in places out of reach of children. Always keep the cover of the products closed. It is recommended to wear gloves and goggles during operation. In case of contact of skin with the material, it should be washed with soap and water immediately. In case of contact with the eye, see your doctor immediately.

General Considerations

Above-mentioned product information and descriptions are prepared for guidance purposes as a result of our experiences and meticulous studies. The variety of related materials and their different construction and operation conditions can not be controlled or influenced by us individually. For applications beyond our control, the guarantee status is only limited to the quality of sold product. Except the manufacturing of the product, no guarantee is given for application. This technical sheet invalidates all the existing sheets. The quality of the performed job may vary depending on your professional use of the product. If you are hesitant, make a little test or get technical help.

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Technical Data

Property:	
Aspect	Milky – white (SBR) latex
Active solids content	Minimum 37%
Specific gravity:	Around 1.1 @ 25 °C

Method of use

Substrate preparation

- Remove all loose concrete, grease, mould, oil or curing compound from concrete and steel surface.
- Where needed, a water tight formwork should be erected to avoid any grout loss.
- For patch repair, cut back the edges of the repair areas to a minimum of 10mm depth to avoid thin repair thicknesses.
- All substrates should be damped with water prior to commencing the repair.
- Remove excess / standing water.

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 should be cleaned immediately after finishing with water. Hardened materials may be cleaned mechanically.

Packaging

HyperBond 5000 is available in 5, 30, 200 and 1000 Kg drums.

Storage

HyperBond 5000 shelf life is 24 months if stored at temperatures between 5 °C and 50 °C.

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