

StrucoBond SBR

Latex polymer bonding agent for cement containing mixes

Description

StrucoBond SBR is a one component styrene butadiene rubber latex bonding agent. **StrucoBond SBR** is designed to improve the physical properties of cement mixes and slurries

- Successfully increases the bonding/adhesion of cement mixes.
- Excellent waterproof additive which helps produce waterproof renders, screeds 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.
- Non-toxic, can be used for concrete in contact with potable water.

Fields of application

StrucoBond SBR 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.
- To produce 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 waterproof renders. Coats.

Technical data

Form:	Latex emulsion
Typical Density	1.06 kg/cm ³
Slant shear strength: <i>ASTM C1042-99</i>	
Type I (dry)	> 7 MPa
Type II (after immersion)	> 10 MPa
pH Value	10
Water Resistant	High

Direction to use

Substrate Preparation

Remove all unsound concrete and provide a profiled, porous surface. Substrate must be structurally sound, dust-free, and free of grease, oil, dirt, curing compounds, release agents, or any other surface or penetrated contaminants that will adversely affect bond. Sanding, grinding, wire-abrading, or similar are not approved surface preparation methods. Substrate must be brought to a fully saturated, surface dry (SSD) condition and free of standing water. (concrete) through a bonding layer.

As an admixture

Typically, blend one part cement to three parts sand, then add enough **StrucoBond SBR** until a desired consistency is achieved. To avoid trapping air, do not over mix. Place modified mortar/repair material and finish appropriately, careful not to overwork the material. For ready-mixed applications, add 4-12litres of **StrucoBond SBR** per 50kg of cement in the ready-mixed concrete. Remove equal parts water to the amount of **StrucoBond SBR** added to avoid over-watering the Ready-mixed



concrete. Over-watering the concrete will reduce the physical properties and longevity of the cement-based material. Once the finishing process is completed, immediately cure work.

As a slurry bond coat

Mix one part cement to two parts sand, then add enough undiluted **StrucoBond SBR** to make a slurry consistency. Apply slurry into the properly prepared, SSD concrete substrate with a stiff masonry brush, coating the entire area, paying special attention to the corners, sides and any exposed rebar.

Place concrete or mortar material prior to the **StrucoBond SBR** slurry bond coat becoming tack-free, usually 30 minutes at 24°C). High temperatures, direct sun, or windy conditions will shorten tack-free time.

Packaging

StrucoBond SBR is supplied in 4L, 10L, 20L, 50L and 200L containers

Shelf life & storage

12 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.

Health & safety

Avoid direct contact with this product. Use of safety glasses, rubber gloves, and protective clothing is recommended. If contact occurs, wash affected areas with mild soap and water. Keep product out of reach of children.

Refer to Safety Data Sheet for complete health and safety information.

Notes

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