



TECHNICAL DATA SHEET

ARKABOND SBR- POLYMER BASED BONDING AGENT

Description:

ARKABOND SBR Bonding Agent is a high-performance modified styrene-butadiene rubber (SBR) based binder. It is recommended as a bonding agent for concrete/ mortar in repair like spalled concrete-floor, chajjas, beams, slabs as it bond old and new concrete surfaces strongly with plasters. It can also be used for waterproofing of toilets and bathrooms, small terraces. It also serves as a bond coat for repair patch work.

Advantages

- For concrete/ mortar repairs: RCC members, spalled concrete, repairing floors, beams and pre-cast slabs, chajjas.
- As a polymer modified mortar/concrete in old and new constructions.
- For waterproofing: basement side walls, small roof terraces, sunken areas of toilets & bathrooms, chajjas & lift pits, balconies for dampness & efflorescence.
- As a bond coat: for bonding of new concrete to old concrete in repair patch work.
- Floor screeds and toppings: non-dusting floors

TECHNICAL PROPERTIES

SL.NO	PROPERTIES	SPECIFICATION	TEST RESULTS
01	Appearance	Milky White Liq	Milky White Liq
02	Specific Gravity@27°C	1.030 ± 0.01	1.032
03	pH@27°C	7-10	7.65
04	Solid Content (%)	45 ± 2%	45.18

Surface Preparation:

- Remove all loose concrete, grease, mould oil or curing compound from concrete surfaces using wire brush, scrubber and suitable solvents (if required).
- Saw cut the concrete areas to a square or rectangular profile to a minimum 10mm depth at the extreme edges to promote enhanced bond strength.
- Clean the concrete surface for the regions where breaking is an issue. Roughen the surface free of loose dust and particles.
- Saturate the surface thoroughly with portable water prior to priming. Make sure to remove any excess of water if present.

Waterproofing Coating:

Use ARKABOND SBR bonding agent as a solution for repairs and preventive waterproofing solutions only for treating issues of dampness & efflorescence.

- 1:2 ratios by weight of ARKABOND- SBR Bonding agent to cement ratio is maintained for using it as a waterproofing slurry coat. Waterproofing Coating Use ARKABOND- SBR bonding agent as a solution for repairs and preventive waterproofing solutions only for treating issues of dampness & efflorescence.
- 1:2 ratios by weight of ARKABOND- SBR Bonding agent to cement ratio is maintained for using it as a waterproofing slurry coat
- Mix for 2-3 minutes to avoid air entrapment. Slowly, keep on adding cement to SBR bonding agent until the required consistency is achieved.
- Mechanical stirrers are recommended for efficient mixing.
- Apply 2 coats of the mix by brush in a span of 4-6 hours on the prepared concrete substrate.
- It is recommended to cover the coating with a protective screed to the desired slope & thickness.

Repair mortars and renders :

- A suitable mix ratio for patching repair mortar or render is as follows
- Mix design – cement : sand in 1:3 proportion and add ARKABOND- SBR Bonding Agent & % by weight of cement and required amount of water.

Bond coat :

- For bond coat application, mix ARKABOND- SBR bonding agent and cement in the ratio of 1:1.
- Brush apply 1 or 2 continuous coats of the mix on the prepare concrete substrate.
- Ensure to overlay the repair mortar when the bond coat is still tacky.
- Recoat again if the tackiness is lost.

Supply : 1 Ltr, 5 Ltr, 20 Ltr



ARKA CRETE SUPPLEMENTS LLP

Manufacturer of construction chemicals

Regd. Office: H.No. 5-4-159, PLOT NO 26,
Kamala Nagar, Vanasthalipuram, Hyderabad,
Telangana - 500070.

Phone

+91 9030024111

Email

Arkacretesupplements@gmail.com