

Alfa Kind SBR

Styrene butadiene rubber based multipurpose polymer bonding agent
Cum cement mortar modifier for mortar and concrete



Description

Alfa Kind SBR is styrene butadiene based synthetic liquid used as bonding agent for the cold joints in concrete. It can also be used for modifying cementitious mortars, plasters and sealing slurries. This bonding emulsion on mixing with mineral based systems, increases elasticity & flexibility and reduces water absorption.

Advantages

- Universally usable
- Single component and hence easy to use
- Increased flexibility and elasticity
- Resistance to aggressive substances like frost, chlorides, salts etc.
- Reduced water adsorption.

Application Area

- Used as a bonding agent to integrate old and new concrete in typical patch repair situation and cold joints.
- Used as mortar modifier to enhance the properties of site mixed cement mortar to achieve better elasticity upon hardening.
- Can be used as modifier of cement slurry to provide elastic properties to the cement paste which can be applied as a water proofing coating for retaining or excluding un-pressurized water.

Properties

Specific gravity	: ≈ 1.02
Appearance	: Milky White Liquid
PH Value	: 10.5 - 11.5
Viscosity	: ≈ 400 mPa.s
Application Temperature	: $+2^{\circ}\text{C}$ to $+35^{\circ}\text{C}$

Specification Clause

The bonding agent shall be Alfa Kind SBR a styrene butadiene rubber based solution compatible with cementitious materials. The bonding agent shall provide adequate bond strength when directly applied on concrete and also mixed with neat cement.

Instructions to use

Surface Preparation

Ensure the substrates are free from dust, loose material and oil particles. Substrates with dust/oil should be cleansed thoroughly with cleaning agents and rinse off. Water should be drained out completely from pre-wetted substrate.

Application

When used as bonding agent, Alfa Kind SBR shall be sprayed, brush/roller applied on the old concrete surface before pouring new concrete.

When used as additive with mortar, plasters and concrete 10 - 20% of water is replaced with Alfa Kind SBR. When used as cementitious bonding bridge, mix Alfa Kind SBR with water in 1:2 ratio. Add this liquid mix to cement/sand mixture (1:2 by volume). Mix the contents until desired consistency is attained. Apply the slurry with a firm brush. Plasters and screeds are applied fresh in fresh. Clean tools after use with water.

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Coverage

Alfa Kind SBR covers ≈ 6 to $7\text{m}^2/\text{ltr}$ depending on surface texture and substrate porosity.

Packaging

1 liter
2.5 liter
5 liter
20 liter

Shelf Life

Alfa Kind SBR has a shelf life of 12 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

Health & Safety Instructions

Contact with the skin should be avoided. Gloves and barrier creams should be used when handling these products. Eye contamination must be immediately washed with water and medical treatment sought.

Important note :

The products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst the company endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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