

# ENEBOND SBR

Styrene Butadiene Rubber (SBR) hydrolysis-resistant mortar modifier & bonding agent

## DESCRIPTION

**ENEBOND SBR** is a blend of Styrene Butadiene Rubber, fine particle size, high performance cement-based compositions modifying agent. It is formulated to improve workability & flow properties and reduce W/C ratio enabling more improvement of physical and mechanical properties. It has an excellent adhesion to aged concrete. It resists the hydrolysis after hardening and can be used for external & internal applications, it can be used also as a primer for the aged and freshly laid concrete.

## USAGES

- As an old-new concrete bonding agent along with concrete repair compounds
- As an adhesive for a wide range of substrates, including concrete masonry brick, glass, and metal wood
- Used as curing compound
- Concrete repairs & floor patching where a highly flowable replacement materials and heavy-duty screed mortar is required

## ADVANTAGES

- Excellent adhesion
- Improved chemical & abrasion resistance
- Improved crack bridging of concrete
- Improved durability
- Improved protection against carbonation of concrete
- It does not re-emulsify in the presence of water and in alkaline medium
- Reduced W/C ratio and improved workability
- Water-based, non-flammable, non-toxic and non-corrosive

## TECHNICAL DATA

ENEBOND SBR	Typical values
Appearance	White liquid
Specific gravity	1.02 ± 0.05
pH value	7 – 8
Shrinkage during cure	0.02 %
Compressive strength	30 N/mm <sup>2</sup> (control) 40 N/mm <sup>2</sup> (result)
Tensile strength	4.5 N/mm <sup>2</sup> (control) 10 N/mm <sup>2</sup> (result)

## STANDARDS

**ENEBOND SBR** is formulated to comply with;

- ANSI A 118.4 & ANSI A136.1
- ASTM C-631 & ASTM C-932 Bonding compound- exterior use

## USAGE INSTRUCTIONS

### 1. Surface preparation

All surfaces shall be sound, clean and free from dust, oil & grease or any contaminants that may affect the bond between the product and substrate. Metal surfaces shall be free from rust & scale and other contaminants. Absorbent surfaces shall be saturated thoroughly.

### 2. Mixing

Dilute **ENEBOND SBR** with water by mixing before adding to any dry mix.

### 3. Application

For screed and topping application:

- Mix 1 liter of **ENEBOND SBR** with 3 kg of Portland cement and apply it on a cleaned surface using brush before 15 minutes of screed application
- For concrete repair exceeding 10 cm, follow screed procedures as mentioned above
- For mixing with dry mix materials follow the instruction as mentioned in method statement

### 4. Cleaning

**ENEBOND SBR** to be cleaned from tools and equipment after finishing work immediately by splashing water.

## PACKAGING

**ENEBOND SBR** is supplied in 20 liters or 200 liters pail.

## HEALTH & SAFETY

**ENEBOND SBR** is non-toxic and non-hazardous, if materials come in contact with skin; cleaning with water and soap is recommended.

## STORAGE & SHELF LIFE

**ENEBOND SBR** shall be stored in normal conditions away from any extreme temperatures. Shelf life is 12 months.

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### TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation.

Please contact:  
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