

### OVERVIEW

**ADDGRIP SBR** is a high-performance Styrene Butadiene Rubber latex-designed bonding agent and multipurpose admixture for cementitious systems which enhances the physical properties of OPC systems. This admixture increases water and abrasion resistance. **ADDGRIP SBR** may be used in applications that require greater strength and flexibility characteristics given by SBR-modified mixes. This enhances bonding strength and chemical resistance.

### PROPERTIES

- High bond strengths and tenacious adhesive properties.
- Reduced shrinkage cracking
- Increased abrasion resistance
- Multipurpose application, economical, easy to use
- Improved strength and flexibility
- Lower WC ratio and increased durability
- Generally good chemical resistance
- Non toxic, used with potable water
- User friendly and quick drying
- Compatibility: All types of Portland cement

### APPROPRIATION :

- For external rendering and water proofing works
- Bonding concrete, GRC, bricks, copings, ceramic tiles and slabs
- For general concrete repair
- For plaster in swimming pools, fountains and water storage tanks
- For laying hi-grade industrial flooring, screeding and flooring.

### Mixing :

**Mortar preparation & Application:** Application surfaces should be clean, sound and free from oil, grease or loosely adhering particles. Hot, exposed, or very absorbent surfaces should be dampened prior to application or primed with a mix of 1: 1 / **ADDGRIP SBR**: Water. When laying to existing concrete, surface must be rough. Lightly scale or scabble the smooth surfaces prior to the application of the fresh mix. When repairing damaged concrete, ensure that existing concrete is cut back to sound material. **ADDGRIP SBR** is compatible with manual mixing or mixers of rotating blades. Agitation should be minimized to maintain good density and avoid penetration of air. For better effects, all applications other than those sprayed on renders, a bonding primer coat 1: 1 / **ADDGRIP SBR**: Water is recommended. This can be brushed into the prepared surface and fresh mortar should be applied while such bonding primer is still tacky. If it is water-resisting renders, please ensure that two priming coats are applied at right angles to a minimum thickness of 1.5mm.

### Product Management:

#### Dosage & Functional Prescription:

General Mix mortar

Cement: 25 kg

Sand: 75 kg

**ADDGRIP SBR**: 5 litres

Minimum water to attain the desired workability: 1:1 / **ADDGRIP SBR**: Water Where improved properties are required, like thick bed mortar and render above 15mm thickness, increase the latex use in the above ratio with **ADDGRIP SBR** to 7.5 liters. Where chemical resistance is required, like battery room, water treatment areas, etc., increase **ADDGRIP SBR** according to the above ratio to 10 liters.

Where only thin bedding is required, mortars should employ a richer CS ratio, approaching 1: 1 / C: S and **ADDGRIP SBR**@ 5 liters/ 25kg cement. Water to the desired consistency when laying slabs or screeds to existing concrete, the surface must be rough. Lightly scale smooth surfaces prior to application of the fresh mix. When repairing damaged concrete, ensure that existing concrete is cut back to sound material. Apply bonding slurry and whilst still wet, lay the Screed at a thickness of 8 – 60mm. Compact firmly and level. Close the surface using a wooden or steel float. All existing joints must be carried through the new screed.

Where a repair to concrete is required, apply priming coat @ 1: 1 / **ADDGRIP SBR**: Water and allow it to be tacky. Proceed to patch up repairs using a standard mix @ 1: 2.5 / Portland cement: Sand (clean, washed sharp) mixed to approximate consistency. This mix is to be added with 1: 1 / **ADDGRIP SBR**: Water. Where plaster bonding agent for gypsum, light weight gypsum and anhydrous plasters is the requirement, seal surfaces as required and prime with a solution of 1: 1 / **ADDGRIP SBR**: Water till it becomes tacky and plaster straight onto the tacky surfaces in usual mode. Where heavier rendering, cementitious rendering and cementitious toppings key coat (slurry bond coat) is required, the key coat is prepared @ 1: 1 / **ADDGRIP SBR** : Cement with minimum makeup water to provide brushable consistency. Apply to form a tacky coat and plaster straight on the tacky surface.

GRIPMIX provides an extensive range of products and services for most concrete and finishing needs. Please contact the GRIPMIX for Building Construction Materials Trading LLC-Dubai for further information, samples, demonstrations and instructor services. The information presented in this leaflet is based upon laboratory research, as well as comprehensive field work and application. All products are sold subject to standard conditions of sale which are available on request. This information is based on GRIPMIX's current state of knowledge and is intended to provide general information on GRIPMIX's products and their methods of use. The potential user is recommended to determine the suitability of GRIPMIX's suggestions and products before adopting them on a commercial scale.



## Packing & Storage:

Up to 12 months in manufacturer's sealed containers stored in a cool (preferably at 18 to 28 °C) and dry place. Available in 20 liters and 200 liters containers. Reseal the container after use and ensure the product is stored as instructed on the label.

## Health & Safety:

As with all chemical products, caution should always be exercised, such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. For more details, please refer to the MSDS released on each GRIPMIX product.

## TECHNICAL DATA

Appearance	White color
Specific gravity	1.00 at 25 °C
pH	7 to 10.5
Chloride content	Nil
Flammability	Non-flammable