

MYK BOND SBR 45

Cement Mortar and screed modifier
cum bonding agent

Technical Data Sheet

Product Description:

MYK Bond SBR 45 is modified Styrene butadiene Rubber emulsion specially designed for use as a bonding agent. It is suitable as an admixture for obtaining waterproof concrete, plasters and mortars it is also suitable for preparation of repair mortars. Damaged and spalled concrete. Repair of large cracks.

Advantages:

- Single component, gauged as required.
- Simple to use
- Provides excellent bond to concrete, adhesion plaster, masonry, stone work, etc.
- Gives weather resistant mortar with improved durability impermeability to chlorides and other harmful agents.
- Provides waterproof screeds, plasters.
- Improved tensile and flexural properties strength allows thin applications.
- Compatible with all common hydraulic cements.
- economical to use

Technical Data:

Base: modified SBR emulsion
 Color: milky White
 Specific gravity: approx.1.02 gm/cc

Properties:

Typical mechanical properties of 1: 3 cement sand mortar at W/C - 0.45 for control and W/C - 0.35 for mortar containing MYK Bond SBR 45 (10liters / 50 kg cement). Tested in accordance with BS 6319 & wet cured.

Mechanical properties Control MYK Bond SBR 45

Mechanical Property		Control	MYK Bond SBR 45
Compressive Strength in kg /cm ²	3 Days	115	125
	7 days	130	145
	28 days	200	220
Tensile Strength N/m ²	28 Days	25	32
Flexural Strength N/m ²	28 Days	40	50

Note: Increased dosages of MYK Bond SBR 45 and with further water reduction leads to improved mechanical properties.

Areas of Application:

- Concrete repair and adhesive Mortar, screed
- Poof Finishing
- Rendering and coating
- To be used as bonding agent for old concrete to new concrete
- As a Bond coat before commencement of repair work

Surface Preparation:

The base must be clean and free from loose particles. Unsound areas should be removed until sound concrete is located. Any cracks, pot holes etc should be properly sealed and cured. The surface to be treated should be free from all coatings dust and unsound concrete toppings. The unsound parts should be chipped off to arrive at sound surface.

Smooth substrates must be mechanically roughened e.g. by scrubbing, needle gun or grit blasting to provide a adequate key. Corroded reinforcing steel should be exposed around its full circumference and cleaned to remove all loose scale and corrosion deposits. It is always preferably to clean the steel to a bright condition. Use of emery cloth, grit or sand blasting. Or MYK rust remover / MYK Rust converter is recommended.

Priming:

Reinforcing steel must be primed with Inducet VK 2050 immediately after cleaning with water. The concrete substrate should be thoroughly dampened with water and any excess removed before being primed by thoroughly scrubbing in a slurry coat of 1 volume MYK Bond SBR 45 to 1 volume water to 3 volumes fresh cement.

In order to obtain a smooth consistency the cement should be blended slowly into the liquids. Stir frequently during use to offset settlement.

Avoid 'peddling' of the slurry coat. The topping must be applied on to the wet slurry. If the slurry dries out it must be removed and the clean substrate re primed.

Application:

- For patching and repair mortars and plaster for masonry 50 Kgs- cement
145 Kgs - Zone II sand
10 Kgs - MYK Bond SBR 45
10- 13 liter - Recommended water
10- 30 mm - recommended thickness
- Mix the total mass till proper mixing of MYK Bond SBR 45 is achieved. And till proper consistency achieved.
Heavy duty floor screeds
Cement - 50 kg
4 mm Granite chips: 75 kg
Zone II sand: 75 kg
MYK Bond SBR 45:10 Kgs
Recommended water addition 6-10 liters
Recommended thickness: 12-24 mm

The screed should be of a semi-dry cohesive consistency.

Guideline For Application:

Prepare surfaces thoroughly. Toe-in at edges wherever possible to avoid feather edging.

All surfaces including edges must be primed.

All applications should be wet on wet; the primer must not be allowed to dry.

The level of added water in the mix designs may need adjusting to achieve the required consistency. In general water content should be kept to the minimum necessary.

For consistent performance the use of clean, dry river sand is recommended. Where wet sand is used, reduce the added water level as appropriate.

In order to prevent rapid drying, mortars should be properly cured curing compound, cur

Protect uncured mortar from frost.

Do not retemper mortar or primer after initial set.

Minimum application temperature is 10 oC.

For permanently immersed conditions consult Local MYK Schomburg representative.

Supply: available in 5 Kgs and 20 Kgs packing.

Cleaning: Tools and equipment should be washed with water immediately after use

Storage: 6 month if sealed packing and if stored in cool dry place in shaded area.

Health & Safety Instructions: MYK Bond SBR 45 should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles

should be worn. MYK Bond SBR 45 should not come in contact with skin and eyes or be swallowed. If contact with skin occurs, wash well with soap and water. Eye contamination should be washed thoroughly with clean water and medical advice sought. If swallowed seek medical attention immediately - Do not induce vomiting

Quality Policy:

The information given in the data sheet is based on the years of experience, and found correct to the best of our knowledge. However the success of the product & its application is dependent on many external factors. We are fully assured of our products quality at the time of dispatch. As we are constantly endeavoring to enhance the qualities of our products which may reflect changes in the data sheets. Hence in the event of any doubt on critical parameters it is advisable to consult our technical department

Technical Support:

Technical information regarding Schomburg range of products can be obtained from the technical cell of MYK Schomburg

Note:

Information in this technical data sheet is to the best of our knowledge true and accurate. However, such conditions under which our products may be used are beyond our control, recommendations

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