ReArmBond SBR

(Formerly known as MYK BOND SBR 45R)

Cement Mortar and screed modifier cum bonding agent

MYK arment®

TECHNICAL DATA SHEET

Product Description

ReArmBond SBR is a modified Styrene Butadiene Rubber emulsion specially designed for use as a mortar modifier for cementitious systems and a bonding aid. 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.

Uses

- Concrete repair and adhesive Mortar, screed
- Repair of worn damaged and spalled concrete
- Repair of large cracks
- Polymer modified Floor screeds
- Rendering smooth, good finish, water tight external plaster.
- Thin layer patching mortars
- Tile fixing mortars, Masonry Mortars

Features and Benefits

- Simple use & thin application is possible
- Single component,
- Provide excellent bond to concrete, adhesion plaster, masonry, stone work, etc.
- Weather resistant helps improved durability
- Impermeability to chloride and other harmful agents
- Provides water tight screeds, plasters
- Improves tensile, adhesion and flexural properties
- Compatible with all hydraulic cements
- Economical to use.

Application Methodology

Step no 1: 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/ abradede.g. by scrabbling, needle gun or grit blasting to provide an 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, by use of emery cloth, grit or sand blasting, use of ReArm Rust Remover/ReArm Rust Converter is recommended.

Step no 2: Priming

Reinforcing steel must be primed with ReArm Coat ZP immediately after cleaning with water. The concrete substrate should be thoroughly dampened with water and any excess water should be removed. Surface to be primed by thoroughly scrubbing in a slurry coat of 1 volume ReArm Bond SBR 1.5 to 2 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 ‘poddling’ 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 be primed.

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Step no 3: Product Application:

For patching and repair mortars and plaster for masonry:
Cement 50 kg,
Zone II sand 150 kg,
ReArm Bond SBR 10 liters,
Recommended water addition 11 - 15 liters
Recommended thickness 12 to 30mm

Heavy duty floor screeds Cement 50 kg,
6-10mm Granite chips 75 kg,
Zone II sand 75 kg
ReArm Bond SBR-5 liters
Recommended water addition 8-12 liters
Recommended thickness 10-25mm 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 to be adjusted 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 covered with wet hunch bag uncured mortar from frost. Minimum application temperature is 10^0C. For permanently immersed conditions consult Local MYK Arment representative.

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 ReArm Bond SBR (10liters / 50 kg cement). Tested in accordance with BS 6319 & wet cured.

Mechanical Property	Days	Control	ReArm SBR
Compressive Strength in N/mm2	3 Days	11.5	12.5
	7 Days	13	14.5
	28 Days	20	22
Tensile Strength N/mm²	28 Days	2.5	3.2
Flexural Strength N/mm²	28 Days	4	5

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

Coverage

Slurry primer : -1 liter ReArm Bond SBR of 5 kg of cement depending on substrate porosity.

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Packaging

Available in 125ml, 0.5 Ltr, 1Ltr, 5Ltr, 10Ltr, 20 Ltr packing.

Storage and Shelf Life

24 months if sealed packing and if stored in cool dry place in shaded area.

Health & Safety

ReArm Bond SBR should not come in contact with skin and eyes or be swallowed. Wear protective gloves and goggles

Product Categories Available

Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

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