

ReArm SBR 45

(Formerly known as MYK Bond SBR 45)

Cement Mortar and screed modifier
cum bonding agent



TECHNICAL DATA SHEET

Product Description

ReArm SBR 45 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
- Modifying and improving bonding of floor toppings
- 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/ abraded e.g. by scrubbing, 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. Use of emery cloth, grit or sand blasting, Or ReArm Rust Remover/ ReArm Rust Converter is recommended.

Step no 2: Priming

Reinforcing steel must be primed with Zinc rich primer 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 ReArm SBR 45 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 '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 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 Re Arm SBR 45 10 litres
Recommended water addition 11 - 15 litres
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 45-5 litres
Recommended water addition 8-12 litres
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 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 remember mortar or primer after initial set. Minimum application temperature is 10 co. 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 SBR 45 (10liters / 50 kg cement). Tested

in accordance with BS 6319 & wet cured.

Mechanical Property	Days	Control	ReArm SBR 45
Compressive Strength in N/mm ²	3 Days	11.5	12.5
	7 Days	13	14.5
	28 Days	20	22
Tensile Strength N/mm ²	28 Days	2.5	3.2
Flexural Strength N/mm ²	28 Days	4	5

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



Repair & Restoration

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Packaging

Available in 5 Ltr, 20 Ltr and 200 ltr packing.

Storage and Shelf Life

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

Health & Safety

ReArm SBR 45 should not come in contact with skin and
eyes or be swallowed. 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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