

MONNELI SBR LATEX RIPRESA

SBR Bonding Agent for Cement Mortar and Concrete

Product Description

A styrene butadiene polymer latex with high bonding characteristics. It is stable under wet alkaline conditions forming a reinforcing polymer matrix within cementitious mixes including concrete, screed and mortar. It is mixed with cement mixture to give higher adhesion power to all surfaces, extra bonding strength, excellent plasticity, higher impermeability and flexure resistance, higher abrasion and acid resistance and can be considered as a waterproof admixture when mixed with cement.

Uses

SBR LATEX RIPRESA is used to:

- Increase the adhesion power of cementitious mixtures
- As an anchorage mortar in casting resumption to act as a bonding force between new and old concrete
- For repairing cement and mortar
- Tiles fixing with the traditional method
- Higher plaster resistance
- Small thickness plastering and as a filling mortar
- Floor screeds and floor hardener
- Cementitious rendering as rush coat
- Waterproof renders and cementitious slurries

Mortars mixed with SBR LATEX RIPRESA can be used for horizontal, vertical, and overhead repair works.

Advantages

- Excellent adhesion to concrete, stonework, masonry, etc.
- Mortar that contains SBR LATEX RIPRESA provides higher compressive and flexural strength with waterproofing effect
- Reduce permeability which helps to reduce attack by chemicals
- Reduces shrinkage and cracking in repair and screed mixes
- Good freeze / thaw resistance
- Improves cohesion and workability
- Non toxic, can be used with concrete in potable water tank

Instructions for Use

Surface Preparation

The surface must be clean, sound, solid, uncontaminated and compact. Contaminated material, dust, corrosion, grease substances and old paints must be completely removed.

The decayed or damaged area to be repaired should be marked. Cut the marked area to a depth of at least 10mm using a hand held concrete saw or disc grinder to avoid feather edging and to provide a square edge. Break out or chip the complete repair area down to sound base using sharp tools or chipping hammer.

Surfaces should be saturated with water to avoid possible backwater at the moment of casting.

Before applying the screed for repairing, apply always the anchorage mortar to assure a perfect adhesion to the old cement support. Do not let the anchorage mortar dry but cast fresh on fresh.

For steel reinforcing use BETOFER or EPOZINC to coat steel bars to protect from rust and allow to dry before applying the repairing mortar.

Mixing

SBR LATEX RIPRESA must be diluted with water according to the required application (see the relative dosage table). The solution must be poured into a cement mixer and then cement and filler can be added. Mix for few minutes till homogeneous mixture free from lumps is achieved.

At cold conditions use warm water and at high temperatures use cold water to mix the product. Cure the surface immediately after applying the mortar by using BETOCURE, a curing compound or spraying water.

Recommendations

- The product delays slightly the initial setting of the mixture assuring at the same time a better curing. Don't use pure product neither like primer nor as an adhesion bridge. It is supplied as a ready to use white liquid. It is also ideal for internal and external applications in conjunction with cement.
- The product should not be applied when temperature is below +5°C.

Packaging

SBR LATEX RIPRESA is available in plastic container of 20 liter and 200 liter.

Storage

Keep sheltered from frost or direct sun and in original tightly closed containers. Shelf life will be 12 months.

Technical Data

Properties	Results
Appearance	Liquid
Colour	White
Density at 25°C	1.02 kg/L
VOC	11g/L
pH at 25°C	8.5 - 9
Temperature of application	from +5°C to +35°C
Service temperature	from -5°C to +70°C
Noxiousity according to ECM 88/379	No
Typical values with 1:3 Cement: Sand mixed with SBR Latex Ripresa (20% of cement)	
Compressive strength	35 N / mm ²
Tensile strength (ASTM C932)	3.6 N / mm ²
Flexural strength	10.0 N / mm ²

All values are subject to 5-10 % tolerance

Health & Safety

Handle the product with caution. Use gloves and goggles and avoid contact with eyes and skin. In case of contact with eyes, wash abundantly with warm water and consult a doctor immediately.

Dosage Table

Use	Mixture Ratio SBR Latex Ripresa: Water		Weight Ratio Cement: Inert	
Primer in casting resumption	1	1	3	-
Anchorage mortar	1	1	2	-
Plastering up to 10 mm	1	1	1	3
Screeds from 10 to 50 mm	1	2	1	3
Tiles fixing	1	1	1	2
Patching and repair mortars	1	1	1	3

- It should be noted that due to the frequent inconsistencies of site-stored materials and variable conditions, actual results may differ from those published above.

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