

MonniLatex SBR GP

SBR Bonding Agent for Cement Mortar & Concrete (General Purpose)

Product Description

MonniLatex SBR GP is 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 improved adhesion power to all surfaces, good bonding strength, plasticity, higher impermeability and flexure resistance, higher abrasion and acid resistance and can be considered as a waterproof admixture when mixed with cement.

Uses

- ▶ 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
- ▶ Improved 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 MonniLatex SBR GP can be used for horizontal, vertical, and overhead repair works.

Advantages

- ▶ Improved adhesion to concrete, stonework, masonry, etc.
- ▶ Mortar that contains MonniLatex SBR GP provides good compressive

- ▶ Reduce permeability which helps to reduce attack by chemicals
- ▶ Reduces shrinkage and cracking in repair and screed mixes
- ▶ Good freeze / thaw resistance
- ▶ Nontoxic, can be used with concrete in potable water tank
- ▶ Mortar that contains MonniLatex SBR GP provides good compressive and flexural strength with waterproofing effect

Usage Instructions

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 MonniRep CS or MonniZinc to coat steel bars to protect from rust and allow to dry before applying the repairing mortar.

Mixing

MonniLatex SBR GP 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. Cure the surface immediately after applying the mortar by using MonniCure, a curing compound or spraying water.

Technical Data

Category	Typical Values
Appearance	Liquid
Colour	White
Density	1.02 kg/L @25°C
VOC	6.0 g/L
pH5	8.5 – 9 @ 25 °C
Temperature of application	from +5°C to +35°C
Service Temperature	from -5°C to +70°C
Flammability	Flammability
Noxiousity according to ECM 88/379	NO
Compressive Strength	55 N / mm ²
Flexural Strength	10 N / mm ²

All values are subject to 5-10% tolerance

Packaging

MonniLatex SBR GP is available in plastic container of 20 lit and 200 lit.

Shelf Life & Storage

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

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.

Dosage Table

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

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.

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

Legal disclaimer

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