



Multiadd Latex 510

Admixture For Enhanced Strength & Water Resistance in Tile Grout

Description:

Multiadd Latex 510 is a specially formulated latex additive, for use with Portland cement and sand to form high strength mortars for the installation of ceramic, marble, mosaic or quarry tiles, brick slips, natural or artificial stone. Multiadd Latex 510 is a synthetic rubber emulsion containing hydrophilic additives, fungicides and defoaming agents.

Characteristics:

Multiadd Latex 510 enhance the following properties of sand/cement mortar mix:

- Increased adhesion.
- Improves flexibility.
- Resistance to impact and thermal shock.
- Water resistant.
- Multiadd Latex 510 is economical and non-toxic.

Uses:

Multiadd Latex 510 is used wherever increased abrasion, water and chemical resistance is required. It may be used to enhance the properties of sand/cement mortars for tiling or added to adhesives and grouts. Its degree of flexibility is imparted, improving the adhesive's suitability for use where road traffic or machine vibration is indicated.

Pre-Treatment:

The substrate shall be thoroughly clean, rough, free from dust, loose material, surface contamination. Delaminated, weak, damaged and deteriorated substrate shall be removed by suitable means before application. Rust, scale, dust and other loose and deleterious materials which reduces bond or contributes to corrosion shall be removed. Remove all laitance, oil, grease, mould oil, curing compound, leaving an open textured surface. Damp down the surface prior to application of Multiadd Latex 510 modified mortars, ensuring surface is damp, but without visible free water.

Mixing:

All mixing should be carried out in a forced action mixer although hand mixing is acceptable where the total weight of mix does not exceed 25 kg. Charge the mixer with the correct quantity of sand and cement, and premix for one minute. Pour in the desired quantity of Multiadd Latex 510 (premixed with water if necessary) and mix for 3 minutes. Due to the strong plasticising action of Multiadd Latex 510, care should be taken to ensure prolonged mixing does not occur. Material will remain workable for approx. 3 hours at 35°C. Where possible, protect mixed material from wind, or direct sun.

PRODUCT INFORMATION

Chemical Base	Styrene Butadiene Emulsion (SBR).
Appearance / Colour	~1.01 kg/l (at 25°C).
Density	Fresh product: ~ 1.75 kg/l.
Compressive Strength	≥ 40 N/mm ² .
Flexural-Strength	~13 N/mm ² .
Tensile Strength	~6.5 N/mm ² .
Mixing Ratio	Thin Bed Fixing for Wall & Floor Tiles: Portland cement: 50 kg. Quartz Sand (medium grade): 50 kg. Multiadd Latex 510: 10 L. Water: 10 L. Thick Bed Fixing Portland cement: 50 kg. Quartz Sand (medium grade): 150 kg. Multiadd Latex 510: 10 L. Thick Bed (Semi-Dry Mix System) Portland cement: 50 kg. Water: *10-15 L. Multiadd Latex 510: 2.5 L.
Yield	Thin bed fixing mix: 50 L. Thick bed fixing mix: 100 L.

Application:

Apply to surface using notched trowel technique. Allow tiles to set for 24 hours before grouting. Working in areas of approximately 1 metre at a time to avoid skinning of the adhesive. Set dry tiles in bed of mortar, and slightly twist to ensure good adhesion. When tiles are aligned in final position lightly tap using a wooden float. Alternatively, especially when tile fixing in permanently wet conditions, or fixing heavy decorative cladding, solid bed fixing is recommended. Apply solid bed to required depth, and "push" the tiles into place. Ensure that the ribs on the back of the tiles are filled in using buttering techniques. This will ensure full contact of adhesive.

Curing:

Fresh applied mortar must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage.

Cleaning :

Clean tools and equipment immediately after use with Multicleaner.





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Storage :

Store properly in undamaged original sealed packaging, in dry cool conditions at temperatures between 5°C and 25°C. Protect from direct sunlight, heat, contamination and moisture.

Packaging:

Multiadd Latex 510 pack size: 18 L pail and 210 L drum.

Shelf Life :

Multiadd Latex 510 has a maximum shelf life of 12 months when stored in controlled conditions.

Disclaimer:

The information supplied in our literature or given by our employees is based upon extensive experience and together with that supplied by our agents or distributors, is given in good faith in order to help our customers. Our company policy is one of continuous research and development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work. We accept no liability for any loss or damage which may arise as a result thereof.

Health & Safety:

Always use appropriate PPE including gloves, goggles and a barrier cream to avoid contact with skin and eyes. Should contact with skin or eyes occur, wash immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting. Avoid inhalation and ensure adequate ventilation or suitable respiratory equipment if working in confined spaces. Do not expose products to fire or naked flames under any circumstances.

