Mapei Rendering & Repair Mortar

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1 Specification Details

Trade Sections: Concrete, Swimming Pools, Blockwork, Solid Plastering, Stonework, Plasterwork, Tiling, Floor Coverings, Brickwork
Description:
Keywords: Blockwork, Brickwork, Concrete, Floor Coverings, Plasterwork, Solid Plastering, Stonework, Swimming Pool, Tiling, Rendering Mortar, Repair Mortar, Mapei,
Mape-Antique FC, Mape-Antique FC/R, Mape-Antique MC, Mape-Antique Strutturale NHL, Mapecem Quickpatch, Mapegrout Hi-Flow, Mapegrout T60, Mapegrout 430, Planitop 200, Planitop HDM Maxi.

2 Clauses

2.1 Scope

Help Note:
For technical information on products to attach to this project, please visit productspec.co.nz/en/supplier/mapei%20nz%20ltd.

2.1.1 Scope

Supply and apply the specified products from Mapei to the surfaces indicated on the drawings and/or as specified herein. All aspects of this work shall be in complete accordance with Mapei product technical literature (check www.mapei.co.nz, call 09 921 1994, or email enquiries@mapei.co.nz for the latest editions), other relevant product manufacturers' recommendations, and as indicated on the drawings.

No substitutions are permitted for the specified Rendering and Repair Mortar from Mapei.

2.2 Mortar

Help Note:
Mortars are listed in alphabetical order.

For further product information and technical advice contact Mapei NZ on 09 9211994, or email enquiries@mapei.co.nz.

2.2.1 Mape-Antique FC & Mape-Antique FC/R

Mapei Mape-Antique FC & Mape-Antique FC/R. Cement-free fine mortars for the fine finishing of dehumidifying renders on stone, brick and tuff masonry.

Where to use:
- Mape-Antique FC and Mape-Antique FC/R are fine mortars, light-coloured and light pink

respectively, to be applied on coarse-textured dehumidifying renders for repairing stone. brick and tuff buildings, also historical structures, that have been damaged by rising damp.

Technical characteristics:
- Mape-Antique FC or Mape-Antique FC/R are totally cement-free light-coloured or light pink powder mixtures of special hydraulic binders and fine natural sand.
- Mape-Antique FC can be coloured during mixing, if necessary, using conventional iron oxides available on the market for pigmenting cement-based products.
- The Mape-Antique FC/R technical characteristics and application procedures do not differ from those of Mape-Antique FC.
- When mixed with water, Mape-Antique FC or Mape-Antique FC/R produce a plastic paste for easy effective application as a finishing coat over rendering in historical buildings.
- After 24 hours the concentration of lime in Mape-Antique FC or Mape-Antique FC/R is insignificant, while in conventional binders on the market the level of free lime remains high for years.

Final performance (at +23°C and 50% RH):
- Mixing ratio: one 25kg bag of Mape-Antique FC with 5.75-6.0 litres of water.
- Composition: Mape-Antique FC, approx. 1420kg/m³; water, approx. 334kg/m³.
- Mass density of mix: 1650-1850 kg/m³.
- Flow (UNI 7044): 80-100%.
- Compressive strength: 4-6 N/mm² after 7 days; 8-10 N/mm² after 28 days.
- Flexural strength: 0.5-1.0 N/mm² after 7 days; 1-1.5 N/mm² after 28 days.
- Dynamic modulus of elasticity: 5,000-6,000 N/mm² after 7 days; 8,000-9,500 N/mm² after 28 days.
- Efflorescence: absent.
- Resistance to sulphates: <0.02%.
- Colour: Mape-Antique FC - white; Mape-Antique FC/R - light pink.

Apply Mape-Antique FC and/or Mape-Antique FC/R to properly prepared substrates in strict accordance with the manufacturer's requirements.

2.2.2 Mape-Antique MC

Mapei Mape-Antique MC. A macroporous, salt-resistant de-humidifying render, based on lime and Eco-Pozzolan, for restoring old masonry, including on buildings of historical interest.

Where to use:
- Repairs to old masonry deteriorated by the presence of capillary rising damp, including on buildings of historical and artistic interest.
- Repairs to masonry deteriorated by the disintegrating action of concentrated salts.
- Rebuilding lime-based render deteriorated by the action of atmospheric agents and environmental conditions or by ageing.

Technical Characteristics:
- Mape-Antique MC is a pre-blended, cement-free mortar in powder form for de-humidifying render made from lime, Eco-Pozzolan, natural sand, special additives and micro-fibres with very low emission level of volatile organic compounds (EMICODE EC1 R Plus). This product is classified as R according to EN 998-1 Standards: “Renovation mortar. Mortar designed for internal/external render applied on