

Satex RMF

Polymer modified cement base fine mortar

Properties

Satex RMF is a polymer modified, hydraulically setting ready mix dry mortar compounded with selected quartz sand for a layer thickness of max. 5 mm. The modulus of elasticity of this mortar is lower than that of concrete. Very low shrinkage and good mechanical strengths at the same time are the characteristic features of this mortar. The prebatched mortar is mixed on site with water.

Main features:

It has high water retention value. It can be applied from 0 - 5 mm only mixing with water. Low internal stress, hence low shrinkage and easy application.

Area of applications

Satex RMF is used as a fine graded mortar for indoor and outdoor applications in concrete repair works. It is particularly convenient for leveling and smoothing surface defects over areas which were previously filled with the coarse repair mortar Satex RMF and also for correcting blowholes, honey combing in large previously areas. After curing, it is water vapor permeable and resistant to frost and weathering. After completion of curing period (min. 2 days) and thorough drying, Satex RMF can be painted.

Product Data

Base	cement, well graded aggregates, quartz sand, resins
Colour	cement grey
Bulk density of powder	appr. 1.3 kg/dm ³
Consistency of the mixed mortar	plastic
Density of the fresh mortar	appr. 1.9 kg/dm ³
Mixing ratio	by weight 25 kg bag Satex RMF and 5.60 -6.00 l water

Temperature for application	+ 5°C through + 25°C (air and substrate)
Application	trowel, scraper, float foam or felted boards, spray
Layer thickness	up to 5 mm
Time available for application	approx. 45 minutes; higher temperatures at + 20°C reduce this delay and the setting time
Consumption	approx. 1.6 kg of Satex RMF (mixed) per m ² and per mm

Working instructions

Preparation of substrates

The substrate must be stable, load resistant and free from impurities. Remove loose and sanding particles. Prewet the substrate with water once or several times before applying the fine mortar Satex RMF. The substrate should be dull and not damp before the mortar is applied.

Mixing

25 kg Satex RMF + 5.60-6.00 litres water. Suitable mixers are compulsory mixers or electric drilling mixers with attached stir. Mixing time: 3 minutes, until a lumpfree fine mortar is achieved that allows application by trowel. Apply Satex RMF by scraper to the slightly moist substrate (in order to avoid the formation of bubbles due to the occlusion of air). Then spread or spray the mortar on the dull substrate with a thickness of the layer of up to 5 mm as desired. Keep the surface for the scraper application correspondingly small. After setting (30-90 minutes depending on the substrate temperature) felt or smooth the mortar with a damp (not wet) fine pored sponge board or similar equipment.

Curing

Satex RMF must be protected from drying too fast. Avoid direct exposure to sunlight and draft. Cover and/or keep the surface moist if necessary (do not spray the coat with water when still fresh).

Consumption

Satex RMF: approx. 1.6 kg/m² and per mm thickness.

Delivery and storage

Satex RMF is delivered in 25 kg bag. Can be stored dry and in unopened packing for at least 12 months.

Notes

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