

# Satex RM St

## Polymer modified, fiber reinforced structural repair mortar

### Properties

Satex RM St is a single component polymer modified, high build structural repair mortar.

Can be applied to all concrete surfaces, no primer needed. Mixed only with water, shrinkage compensated and gains strength fast. Satex RM St is resistant against chlorine, sulphates and oil.

### Area of applications

Satex RM St is used for structural repair of columns and beams, repairing of slabs, filling of tie rod and carrot holes. It is also used for making of round grooves on connection edges and protection against chlorine and sulphate attack.

### Product Data

Base	Cement, polymers, fibers and mineral fillers
Colour	cement grey
Application	with spatula and trowel
Bulk density	2.25 kg/l
Compressive strength	>20 N/mm <sup>2</sup> after 1 day >40 N/mm <sup>2</sup> after 7 days >60 N/mm <sup>2</sup> after 28 days
Mixing ratio	3.8 - 4.2 lt for 25 kg bag
Application temperature	+5°C to +30°C (air and substrate)
Layer thickness	4 cm per each coat
Cleaner	water when still fresh

### Application

All surfaces in contact with the Satex RM St should be sound, dense and clean all laitance and unsound material must be removed. To ensure a sound, uniform edge to the repair it is recommended to saw cut the edges to minimum depth of 15mm.

### Mixing

It is strongly recommended that only full sacks are mixed. Damaused. Put on the sack described amount of water in a clean container and with the mixer running, add the content of the sack slowly. Mix at least 3 minutes to achieve smooth consistency. Allow the mortar to rest for 30 seconds and then remix briefly.

Taking into consideration that the application thickness should not exceed 4 cm for one layer, replace the mortar in the form or saw cutted area. Air and substrate temperatures must be a minimum of +5°C and a maximum +30°C. The pot life is 30 minutes at +20°C. Higher temperatures will decrease this time. Satex RM St should be placed as soon as possible after mixing. Avoid air trap by replacing. Do not use vibrator. Forms can be removed earliest after 24 hours. Protect the surface from direct sun light and wind using curing agent or similar. Do not wet the mortar while setting.

### Consumption

The consumption is appx 2.0 kg/m<sup>2</sup> and mm thickness.

### Delivery and storage

Satex RM St is delivered in 25kg bag. Can be stored dry and in original sealed packing for at least 12 months.

### Notes

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