

# ADMIX RM620

## Single Component Fiber Reinforced Concrete Repair Mortar

**ADMIX RM620** is a single component cementitious repair mortar modified with PP fibers which forms a workable and trowel applied mortar after being mixed with water at job site. It is capable of applying on rough and damaged concrete surfaces. The product can be used for filling holes and hollows of concrete surfaces. It is non-shrink and provides excellent adhesion to concrete surfaces

### Applications

- All repair and bedding jobs capable of troweling or spraying apply.
- Repairing those constructional elements expecting frequent loading.
- Repairing prestressed or reinforced beams and columns.
- Protection of structures against aggressive media such as chloride and sulfates.
- Repairing industrial structures specially those subjected to mineral oils and lubricants contact.
- Repairing marine structures.
- Securing steel or composite bars.
- Deep holes and hollows filling in concrete.

### Advantages

**ADMIX RM620** is a single component product and should only be mixed with water in job site to form a workable mortar. The fair finishing property of product provides smooth final finish surfaces. This product is modified by PP fibers, so carrying higher tensile and flexural stresses than normal concrete.

### Properties

Appearance	Gray powder
Bulk density	1.5 g/cm <sup>3</sup>
Compressive strength	16 MPa (1 day)
(BS 1881 section 116)	40 MPa (28 days)
Tack free time	7 hours at 25 °C



### White Damavand Corporation

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## Application method

### Surface preparation:

Surfaces should be sound, stable, clean and free from loose laitance, paint, oil, grease, mold release agent and residual curing compound which may cause debonding. Areas to be repaired should be saturated to prevent absorption, but free water should not exist. The perimeter of the area should be saw cut to a depth of 10 mm and the edges cut as neatly as possible keeping the sides square. The substrate should be prepared to provide uneven surface having at least 5 mm roughness at 20 mm frequencies.

In case the reinforcing bars are rusty, full cleaning is required by means of sand blast or dry brushing. Recoating of steel bars is mandatory using a suitable and long-life protective coating.

### Mixing:

**ADMIX RM620** is designed as easy mixable powder and needs water addition only. Use a low-speed hand mixer. Measure and pour accurate amount of water required for a 25 kg bag which is between 3.5 to 4.5 liters in the pan. Start adding powder slowly to the water while mixer is working, continuing mixing to achieve a homogeneous paste. Avoid further extra mixing. Add water, if necessary, within the limits given instruction until the required consistency is achieved.

## Curing

Curing of applied mortar is essential, especially in hot weather or windblown. Curing can be done by clean water, curing compound or PE lamination.

## Packaging

**ADMIX RM620** is supplied in 25 kg PP bags.

## Storage

This product must be stored in original bags on pallets out of direct sunlight and be protected from rainfall and extreme of compaction. Shelf life is 12 months.

## Safety awareness



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Like other cement-based materials, **ADMIX RM620** may cause minor irritation. In case of any contact with eyes or skin, wash it immediately with clean water for at least 15 minutes and get medical helps. Use personal safety devices while using this product.

**Equipment carefulness**

Wash the equipment with water after completion of each phase of application or before break times.

**Quality approval**

All materials produced in **White Damavand** Co. are under strict control of QC department and meet the requirements of international standards.

**Supplementary data**

For any additional information, please contact company's specialists.

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