

## Technical Information Sheet Article No. 0919

# Rust Inhibitor M

Rust inhibiting dispersion. Used only in combination with Remmers Betofix RM or Remmers Fine Repair Mortar. Water based polymer dispersion.

### Range of Use

As a long term corrosion protection coating within a cementitious system. Applied onto sandblasted or mechanical cleaned, de-rusted reinforcement steel or other steel elements in the field of concrete repair.

### System Constituents

**Rust Inhibitor M** with **Betofix RM** (System I – fast setting) or **Fine Repair Mortar** (System II, Test certificate: 57/5005-1 TU Braunschweig)

### Property profile

**Rust Inhibitor M** is a highly water repelling, alkali resistant, polymer dispersion modified with active rust inhibitors. The ready-to-use grout consisting of Rust Inhibitor M mixed with Betofix RM (fast setting coating) or Fine Repair Mortar guarantees long term corrosion protection to a high degree on exposed, de-rusted reinforcement steel.

### Working

**System I – fast setting:**  
**Exposed reinforcement steel** should be de-rusted to sound metal (SA 2 ½). Then mix **2 parts by weight Betofix RM** with **1.1 parts by weight Rust Inhibitor M** until homogenous and

### Characteristic data of the product

Solid content:	47.4%
Colour:	milky
Odour:	weakly pronounced
Density (g/cm <sup>3</sup> ):	1.03
Viscosity:	25 sec. in a 4 mm cup
pH value:	7.5
Working temperature:	Work only at object temperatures higher than +5°C

### In the hardened state:

Salt spray test:	meets DIN 50021 requirements
Condensation water test:	meets DIN 50018 requirements
Layer thickness:	1 mm per coat
Colour:	cement grey

a brushing consistency has been achieved.

**Volume ratio:**  
**2 parts by volume dispersion**  
**+ 2.5 parts by volume powder.**

The reinforcement steel is completely coated with the fresh corrosion inhibiting grout at least 1 mm thick. After at least 30 minutes a second coat of the fresh corrosion inhibiting grout is applied as described above. After just 30 further minutes waiting time, the broken out area can be closed with Remmers Betofix RM.

### System II – normal setting:

After the reinforcement steel has been de-rusted, mix

**2.5 parts by weight Remmers Fine Repair Mortar** with **1 part by weight Rust Inhibitor M** until homogenous and a brushing consistency has been achieved.

**Volume ratio:**  
**1 part by volume dispersion**  
**+ 1.5 parts by volume powder.**

The reinforcement steel is completely coated with the fresh corrosion inhibiting grout at least 1 mm thick. After approx. 3 hours a second coat of the fresh corrosion inhibiting grout is applied. After 3 further hours of waiting time the broken out area can be closed with Remmers Coarse Repair Mortar.

### Tools and Cleaning

Apply with a brush. Clean tools and spills/splashes immediately with water while fresh.

### Packaging, application rate, shelf-life

#### Packaging:

1 kg and 5 kg plastic containers

#### Application rate:

Per m<sup>2</sup> steel surface approx. 0.7 kg/m<sup>2</sup> Rust Inhibitor M and 1.3 kg Betofix RM or 1.7 kg Fine Repair Mortar.

#### Shelf-life:

At least 12 months stored frost-free in original, closed containers.

### Safety, ecology, disposal

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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