

Funcosil[®] CEMENTITIOUS RUST INHIBITOR



Article No. 0919

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

System constituents:

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

Property profile:

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

Product characteristic data in the packaged state:

| | |
|------------------------------|---|
| Solid content: | 47.4% |
| Colour: | milky |
| Odour: | weakly pronounced |
| Density (g/cm ³) | 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 |

Directions:

System I – fast setting:

Exposed reinforcement steel should be de-rusted to sound metal (SA 2 ½). Then mix **2 parts by weight Funcosil Betofix RM** with **1.1 parts by weight Funcosil Cementitious Rust Inhibitor** until homogenous and 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 Funcosil Betofix RM.

System II – normal setting:

After the reinforcement steel has been de-rusted, mix **2.5 parts by weight Funcosil Fine Repair Mortar** with **1 part by weight Funcosil Cementitious Rust Inhibitor** 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 Funcosil Coarse Repair Mortar.

Tools and Cleaning:

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

Packaging, application rate and storing:

Packaging: 1 kg and 5 kg plastic containers

Application rate: Per m² steel surface approx. 0.7 kg/m² Funcosil Cementitious Rust inhibitor and 1.3 kg Funcosil Betofix RM or 1.7 kg Funcosil 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 on disposal and ecology 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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