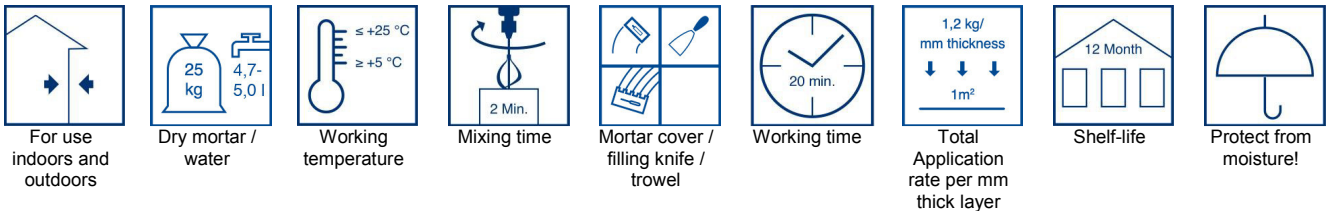




Technical Data Sheet Art. No. 1092

Betofix RM

Fast repair mortar



Range of use

- Fast concrete repairs in facade areas that are not statically or dynamically stressed
- For closing broken out areas, gravel pockets, pores, uneven surfaces, spacers and holes
- Filling of concrete surfaces
- As mineral corrosion protection for reinforcement steel (in combination with Remmers Rust Inhibitor M, Art. No. 0919)

Property profile

- Certified according to DIN EN 1504-3
- M1 mortar according to DAfStb
- Can be applied with a filling knife and felted
- R2 mortar according to DIN EN 1504-3
- Can be worked overhead
- Low inherent stress and crack-free setting
- Resistant to frost and de-icing salts

Certifications

- Test report P 8561-1, standard

Characteristic data of the product

Colour:	grey
Grain:	0.5 mm
Fresh mortar density:	approx. 1.7 kg/dm ³
Consistence:	for filling
Compressive strength:	after 3 hours: ~ 3 N/mm ² after 24 hours: ~ 6 N/mm ² after 28 days: > 10 N/mm ² after 28 days: > 0,8 N/mm ²
Adhesion capacity (EN 1542):	

The values above represent typical characteristic data of the product and are not to be understood as product specifications.

test according to M1, kiwa Polymer

- Report No. 230009007-4 fire classification, MPA Erwitte

Possible system products

- Rust Inhibitor M (Art. No. 0919)

Work preparation

Requirements of the substrate

Load-bearing, clean and dust-free.

Preparation

De-rust the exposed steel surfaces to bright metal (SA 2 ½). Pre-wet the substrate to make it matt damp.

Preparation of the mixture

Corrosion protection

Pour 1 part by weight Rust Inhibitor M in a clean container and add approx. 2,5 parts by weight Betofix RM.

Mix thoroughly with a mixer/drill and paddle for approx. 2 minutes until the proper consistence for working has been achieved.

Concrete replacement

Pour water in a clean container and add the dry mortar. Mix thoroughly with a mixer/drill and paddle for approx. 2 minutes until the proper consistence for working has been achieved.

Directions**Working conditions**

Temperature of the air, substrate and building material: +5 °C - +30 °C

Low temperatures lengthen, high temperatures reduce working and setting time.

Working time(+20 °C)

Ca. 20 minutes

Corrosion protection

- Apply the grout in two layers of at least 1 mm each covering the entire surface
- Waiting time between the layers: ca. 30 minutes
- Subsequent works are executed wet-on-wet.

Concrete replacement

- If needed, apply a scratch coat with the product
- On difficult to reach areas, apply the product slightly diluted as contact grout
- Apply the desired thickness in one layer and smoothen
- After 15 - 30 minutes finish the surface as desired by felting, rubbing, smoothing or texturing.

Notes on application

Initially set mortar cannot be made workable again by adding water or fresh mortar.

Don not prepare more mortar than can be used within 20 minutes.

The surface can be painted over after 2-3 hours.

Protect the mortar surface for at least 2 days from too fast dehydration, frost and rain.

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.

Notes

Mixing water must be of potable water quality.

May contain traces of pyrite or iron sulphide.

Low in chromates in accordance with Directive 2003/53/CE

The characteristic data given for this product were determined under laboratory conditions at 20 °C and 65 % relative humidity.

Low temperatures lengthen, high temperatures reduce working and setting time.

The product is not suitable for floor surfaces outdoors!

Application rate

Approx. 1.2 kg/m²/mm thick layer

Tools, cleaning

Mixing equipment, Brush, filler, stainless steel trowel, sponge float, plasterer's float

Clean tools with water while the material is still fresh.

Packaging / Colours

5 kg bucket, 25 kg paper bag

Shelf-life

At least 12 months stored dry in closed bags

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

CE marking

Remmers GmbH
Bernhard-Remmers-Str. 13
D - 49624 Lönigen

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GBI P3-1
EN 1504 - 3: 2005

Betofix RM

Product for non structural repair for concrete

Compressive strength: class R2

Chloride ion content: ≤ 0,05 %

Adhesive bond: ≥ 0,8 MPa

Restrained shrinkage / expansion: ≥ 0,8 MPa

Carbonation resistance: NPD

Elastic modulus: NPD

Thermal compatibility: ≥ 0,8 MPa

Capillary absorption: ≤ 0,5 kg/(m² • h^{0,5})

Reaction to fire: class E

Remmers (UK) Limited Crawley
United Kingdom
Tel: +44 (0) 1293 594 010
Fax: +44 (0) 1293 594 037
www.remmers.co.uk