





Betofix R2 SR Rapid

- Bedding Mortar -

Bedding and repair mortar with early resistance to loading

Colour	Availability	
	Quantity per pallet	42
	Size / Quantity	25 kg
	Type of container	PE bag
	Container code	25
	Art. no.	
grey	1004	

Application rate



Approx. 1.8 kg/dm³

Apply to a large enough trial area to determine the precise amount required.

Range of use



■ Repair and coating mortar according to DIN 19573

- Fast-setting mortar for quick mounting of add-on parts
- Fast grouting mortar for add-on parts
- Placing and repairing manhole rings and manhole covers

Property profile

- Sulphate-resistant
- Very high early strength (capable of bearing loads after 45 minutes)
- Very low shrinkage
- High resistance to water penetration
- Corrosion-inhibiting

Planning information

Betofix R2 SR rapid - classification				
acc. to DIN EN 1504-3	R2			
Compressive strength acc. to DIN 19573	B1			
Reaction to fire	Class A1			
Impacts from the environment				
Carbonation	XC1	XC2	XC3	XC4
Chlorides excluding seawater	XD1			
Chlorides from seawater	XS1			
Freeze/thaw attack with/without de-icing agent	XF1	XF2		
Chemical attack	XA1			
Near stress	XM1			
Waste water	XWW1	XWW2	XWW3	
Maintenance principles/procedures	3.1	3.2	7.1	7.2

Characteristic data of the product





Bulk density	Approx. 1.6 kg/l
Water requirement	3.0 - 4.0 l / 25 kg
Compressive strength	1 h = > 13 N/mm ² 24 h = approx. 25 N/mm ² 28 d = > 40 N/mm ²
Maximum grain size	2 mm

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

Possible system products

- > Betofix QR2 (1063)
- Betofix R4 SR (1084)
- Betofix XWW4 (1109)
- WP Sulfatex (0430)
- > WP Sulfatex rapid (0429)
- > Betofix NBM (1230)
- > Stopaq (7810)

Preparation

Substrate requirements

Concrete surface:

Stable, clean, dust-free

Observe the applicable technical regulations for the following parameters:

- Adhesive pull strength of the substrate
- Minimum roughness/roughness depth

Pre-wet the substrate so that it is slightly moist.

Production of the mixture





Mixing

Prepare water, add dry mortar and mix until homogeneous.

Mixing time: approx. 3 minutes

Directions





Conditions for use

Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.

Low temperatures increase, while high temperatures decrease the working and setting time.

Once it has hardened, mortar must not be made workable again by adding either water or more wet mortar.

Working time:

(+20 °C): approx. 10 minutes

Curing time:

(+20 C): approx. 15 minutes

Quick mounting

Fill the assembly area with material, applying light pressure.

Installation of duct covers

Clean and wet joints between frame and substructure.

Insert formwork.

Pour in free-flowing mortar.

Subsequent processing

Protect fresh mortar surfaces from wind, direct sunlight, rain and/or frost for at least 3 days so that they do not dry too quickly.

Tips on use

Only mix small quantities.

Can be removed from formwork after approx. 1-2 hours (depending on the consistency and ambient conditions). When applied in a free-flowing consistency, the material is resistant to loading after approx. 2 hours (if early loading is required, use Betofix QR 2).

When applied in a plastic consistency or a consistency suitable for filling, the material has high early strength and early resistance to loading.

Tools / Cleaning



Mixing tool, trowel, smoothing trowel, scraper

Clean tools with water while the material is still fresh.

Remmers tools

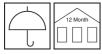
- Mischgefäß (4030)
- Collomix® Stirrer KR (4292)
- Smoothing Trowel (4004)





- > Glättkelle (4117)
- > Smoothing Trowel Duo (4118)

Storage / Shelf life



If stored in an unopened container and in a dry place, the product will keep for approx. 12 months.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

Declaration of performance

> Declaration of performance

Declaration of conformity



Remmers GmbH (CE)

Bernhard-Remmers-Str. 13, D - 49624 Löningen

UKCA Remmers (UK) Limited (UKCA)

Unit 4, Lloyds Court, Manor Royal Crawley, RH10 9QU

20 (CE); 21 (UKCA)

GBI-P 18-1

EN 1504-3: 2005

1004

For applications with low performance requirements in construction and civil engineering

 Compressive strength:
 class R2

 Chloride ion content:
 ≤ 0.05 %

 Adhesive bond:
 ≥ 0.8 MPa

 Restrained shrinkage/expansion:
 NPD

 Carbonation resistance:
 NPD

 Elastic modulus:
 NPD

 Thermal compatibility:
 NPD

Capillary absorption: \leq 0.5 kg/(m²h^{0.5}) Reaction to fire: class A1

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

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When a new version of this Technical Data Sheet is published, it shall replace the previous version.