



## Betofix R2 SR Rapid

### - Bedding Mortar -

Bedding and repair mortar with early resistance to loading

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

#### Application rate

Approx. 1.8 kg/dm<sup>3</sup>

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			
Wear 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 <sup>2</sup> 24 h = approx. 25 N/mm <sup>2</sup> 28 d = > 40 N/mm <sup>2</sup>
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.

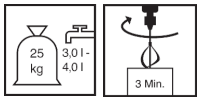
#### Possible system products

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

#### Preparation

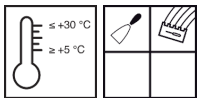
- Substrate requirements  
**Concrete surface:**  
Stable, clean, dust-free  
Observe the applicable technical regulations for the following parameters:
  - Adhesive pull strength of the substrate
  - Minimum roughness/roughness depth
 Pre-wet the substrate so that it is slightly moist.

#### 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.

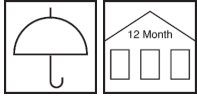
- Remmers tools
- Mischgefäß (4030)
  - Collomix® Stirrer KR (4292)
  - Smoothing Trowel (4004)



- 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



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**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:	≤ 0.5 kg/(m <sup>2</sup> h <sup>0.5</sup> )
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 of the

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

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

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