



Betofix HQ2

Swellable packing mortar

Colour	Availability
	Quantity per pallet 42
	Size / Quantity 25 kg
	Type of container PE bag
	Container code 25
	Art. no.
grey	0554 ■

Application rate

Approx. 2.0 kg/m²/mm coating thickness, or approx. 2.0 kg/dm³



Range of use



- Interior and exterior use
- Mineral substrates in dry, damp and wet areas
- Packing and mounting mortar for connecting machines, iron and concrete structures as well as wood elements
- Filling joints between precast units, pre-fab elements and basement slabs
- Filling cavities
- Installation of special components
- Production of sealing covers

Property profile

- Early strength
- Swelling capable
- Water impermeable
- Resistant to frost

Characteristic data of the product

Degree of swelling (24 h)	Approx. 1.0% by volume
Water requirement	Approx. 12%, equivalent to 3.0 l/25 kg
Capillary water uptake	≤ 0.5 kg/(m ² ·h ^{0.5})
Compressive strength	1 day: ≥ 10 N/mm ² 7 days: ≥ 35 N/mm ² 28 days: ≥ 40 N/mm ²
Flexural tensile strength (28 days)	≥ 7.0 N/mm ²
Dynamic E-modulus	≥ 25000 N/mm ²
Maximum grain size	2 mm
Bulk density of fresh mortar	Approx. 2.2 kg/dm ³

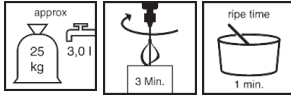
The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Preparation

- Substrate preparation
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.

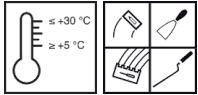


Production of the mixture



- **Mixing**
Prepare water, add dry mortar and mix until homogeneous.
Mixing time: approx. 3 minutes
Maturing time: approx. 1 minute.
Final mixing time: approx. 1 minute

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.
Mortar that has already set cannot be made workable again by adding water or fresh mortar.
- **Working time (+20 °C)**
Approx. 60 minutes

Fill and pack joints so that they are free of cavities.
Remove any mortar that projects or is pushed out before it hardens and smooth down joints.

Notes

Low chromate content in accordance with Directive 2003/53/EC.
The characteristic data of the product were calculated under laboratory conditions at 20°C and 65% relative humidity.
Alkaline binders may cause a dissolution process on non-ferrous metals.

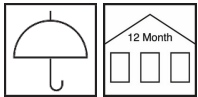
Tools / Cleaning



Mixing tool, trowel, smoothing trowel, jointing iron
Clean tools with water while the material is still fresh.

- Remmers tools
- [Mischgefäß \(4030\)](#)
 - [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 conformity



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23 (CE); 23 (UKCA)
GBI-P 59
EN 1504-3: 2005
0554

For applications with low performance requirements in construction and civil engineering

Compressive strength:	class R3
Chloride ion content:	NPD
Adhesive bond:	NPD
Restrained shrinkage/expansion:	NPD
Carbonation resistance:	NPD
Elastic modulus:	$\geq 25000 \text{ N/mm}^2$
Thermal compatibility:	NPD
Capillary absorption:	$\leq 0.5 \text{ kg/(m}^2\text{h}^{0.5})$
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 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.