



## BSP RZ Historic

### - Casting Mortar RZ -

Natural cement mortar

Colour	Availability
	Quantity per pallet
	Size / Quantity
	Container code
	Art. no.

Application rate                      Approx. 1.9 kg/l void



Range of use



- Interior and exterior use
- Mineral substrates in dry, damp, wet and underwater areas
- Filling joints and voids in historic buildings

Property profile

- Historic binder from the 19th century
- Good flow properties
- Fast setting
- Slow development of strength
- Very good adhesion to the substrate
- This natural cement has been produced to the same formulation for more than 150 years and is also called Roman cement. It is based on a lime-marl from the Cretaceous period traditionally fired in a shaft kiln at low temperature.

Characteristic data of the product

Compressive strength class	CS III
Water requirement	Approx. 15%, equal to 3.75 l/25 kg
Compressive strength	7 days: > 1 N/mm <sup>2</sup> 28 days: > 4 N/mm <sup>2</sup> (M 2.5)
Dynamic E-modulus	Approx. 9000 N/mm <sup>2</sup>
Maximum grain size	2 mm
Slump	Approx. 26 cm
Bulk density of fresh mortar	Approx. 2.2 kg/dm <sup>3</sup>
Air void content	≤ 5 %

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

Possible system products

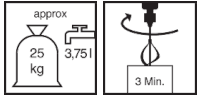
- [Fill RZ Historic \(0564\)](#)
- [RM RZ Historic \(0566\)](#)

Preparation

- Substrate requirements  
Clean, dust-free and capable of supporting a load.
- Substrate preparation  
Pre-wet the substrate so that it is slightly moist.  
Expose the grains close to the surface.

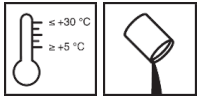


### Production of the mixture



- **Mixing**  
Pour water into a clean container and add dry mortar.  
Mix thoroughly with a mixer for approx. 3 minutes until homogeneous.

### 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.

- **Working time (+20 °C)**  
Approx. 45 minutes

Construct formwork if necessary.  
Pour continuously from one side or corner.  
Re-compact if necessary.

### Tips on use

Once it has hardened, mortar must not be made workable again by adding either water or more wet mortar.  
Protect wet mortar surfaces against frost, rain and drying out too quickly for at least 4 days.

### Notes

The mixing water must be of drinking water quality.  
May contain traces of pyrite (iron sulphide).  
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.  
Deviations from applicable regulations must be agreed separately.  
The relevant test certificates must be observed when planning and carrying out work.

### Tools / Cleaning

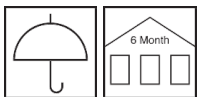


Mixer, universal funnel, quick-snap fastener

Clean tools with water while the material is still fresh.

- Remmers tools
- [Mischgefäß \(4030\)](#)
  - [Collomix® Stirrer KR \(4292\)](#)

### Storage / Shelf life



Dry, in unopened containers, 6 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.

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.