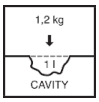
BSP 3

- Drill Hole Suspension -

Flowable mineral filler and injection mortar

Colour	Strength	Availability	
		Quantity per pallet	30
		Size / Quantity	**20 kg**
		Type of container	PE bag
		Container code	20
		Art. no.	
grey	M2.5 normal	0312	■

Application rate



Approx. 1.2 kg/l cavity

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

Range of use

- Strengthening hollow and loose masonry (according to WTA Code of Practice 4-3)
- Filling joints and boreholes
- Preliminary injection of boreholes in multi-stage injection

Property profile

- Low viscosity (very good flow properties)
- Low shrinkage
- High sulphate resistance and low active alkali content (SR/NA)

Characteristic data of the product

Alkali content	< 0.5 %
Porosity	> 20 Vol.-%
Water requirement	6.0 - 6.75 l/15 kg
Flexural strength	7 d: approx. 0.8 N/mm² 28 d: approx. 1.5 N/mm²
Compressive strength	7 d: approx. 2.0 N/mm² 28 d: approx. 3.5 N/mm²
Maximum grain size	< 0.2 mm
Initial setting (20 °C)	> 8 hours
Final set (20 °C)	> 10 hours
Bulk density of fresh mortar	Approx. 1.6 kg/dm³
Air void content	< 10 Vol.-%
pH value	Approx. 12

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

Possible system products

- WP RH rapid (1010)
- Kiesol (1810)
- Kiesol iK (1813)

Preparation

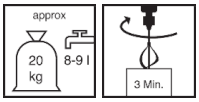
- Substrate requirements
  Drilling channel must be free of drill dust.

- Substrate preparation
  Strengthening hollow masonry

Creation of drill holes: diameter 18 - 30 mm, angle of inclination approx. 45°, hole depth up to max. 5 cm from end of wall.

Subsequent horizontal waterproofing of masonry
Production of drill holes: Single row, diameter 18 - 30 mm, distance 10 - 12.5 cm, angle of inclination approx. 45°, drill hole depth up to approx. 5 cm before end of wall.
For walls > 0.6 m thick, it is recommended to make the series of drill holes on both sides.

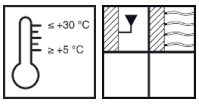
Production of the mixture



- Mixing

Pour water into a clean container and add dry mortar.
Mix thoroughly for approximately 3 minutes until the proper consistency for working has been achieved.

Directions



- Conditions for use

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

- Working time (+20 °C)

Approx. 4 hours

Filling voids
Pressureless, via funnel.
Low pressure filling via suitable injection equipment and injection packers.

Subsequent horizontal barrier - multi-level injection -
Pre-inject/fill hollow masonry via drill holes.
Pierce filled holes with a lance/pin after stiffening.

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.
Please contact Remmers Technical Service (phone +49 5432 83900) before applying with machine processing.

Notes

Do not use on gypsum-based substrates.
May contain traces of pyrite (iron sulphide).
The mixing water must be of drinking water quality.
Low chromate content in accordance with Directive 2003/53/EC.
Always set up a trial area/trial areas first.
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

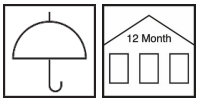
Mixing tools, hopper, injection packers, suitable injection pumps (e.g. Desoi)

Clean tools with water while the material is still fresh.

Remmers tools

- Mischgefäß (4030)
- Collomix® Stirrer KR (4292)
- Trichter (4082)
- Lamellenschlagpacker (4524)
- Setzwerkzeug (4523)
- Verschlussstück (4522)

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.

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.