



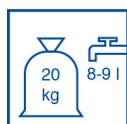
Technical Data Sheet Art. No. 0312

Injection Mortar

Fluid mineral filling and injection mortar



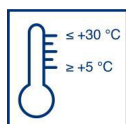
For use in-
doors and
outdoors



Dry mortar /
water



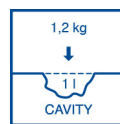
Mixing time



Working
temperature



Borehole
impregnation /
pressure
injection



Total applica-
tion rate per l
void



Protect from
moisture!



Shelf-life

Range of use

- For strengthening hollow cavity and loose masonry work according to WTA Code of Practice 4-3-98-D
- For filling joints, especially when replacing stones
- For filling bore holes after impregnation or injection against rising damp in masonry in the Remmers Kiesol System

Property profile

- Excellent flowing capacity
- Shrinkage compensated
- Highly sulphate resistant with a low active alkali content
- After setting it has good dry adhesion, porosity and permeability for injection liquids

Possible system products

- Rapid Hardener (Art. No. 1010)
- Fast Cement (Art. No. 2834)
- Super Plasticiser FM (Art. No. 0251)
- Kiesol (Art. No. 1810)

Characteristic data of the product

| | |
|-----------------------|--|
| Colour: | grey |
| Size of grain: | < 0.2 mm |
| Fresh mortar density: | approx. 1.6 kg/dm ³ |
| Setting time(20 °C): | initial setting: > 8 hours end of setting: > 10 hours |
| Air pore content: | < 10 % by volume |
| Alkali content: | < 0.5 % |
| C3A content: | < 0.1 % |
| Porosity: | > 20 % by mass |

| Injection Mortar | normal (0312) | high strength (0309) |
|-----------------------|---|--|
| Flexural strength: | 7 days ~0.8 N/mm ² 28 days ~ 1.5 N/mm ² | ~1.0 N/mm ² ~ 3.0 N/mm ² |
| Compressive strength: | 7 days ~ 2.0 N/mm ² 28 days ~ 3.5 N/mm ² | ~ 3.0 N/mm ² ~ 6.0 N/mm ² |
| Strength class: | M 2.5 | M 5 |

Work preparation

Requirements of the substrate
Load-bearing, clean and dust-free.

Preparation

Pour **8-9 l of water** into a clean container (mortar tub) and add **20 kg Injection Mortar**. Mix thoroughly with a mixing tool until homogenous and with a proper consistence for working. If necessary mix again.

Directions

Working conditions
Temperature of the air, substrate and building material: +5 °C - +30 °C

Low temperatures lengthen, high temperatures reduce working and setting time.

Working time(+20 °C)
Ca. 4 hours

Insufficient water produces inadequate fluidity; excess water leads to water secretion, slumping and delayed setting.

To accelerate setting, especially at low temperatures and on wet masonry, add approx. 10 % Remmers Rapid Hardener or Fast Cement.

To fill voids under gravity, pour Injection Mortar into the void using a funnel. For pressure injection, add up to max. 5 % Remmers Plasticizer (FM) and use injection equipment such as that named below under Tools. At the earliest 7 days after the injection of Injection Mortar, drill the holes again approx. 2-4 mm larger than before and inject with Remmers Kiesol/Remmers Masonry Injection to protect the masonry work against rising damp.

If the waiting times given cannot be observed, injection with Remmers Kiesol can be executed immediately by drilling a second row of boreholes approx. 5 cm higher. After Remmers Kiesol has trickled into the boreholes, close the boreholes with Injection Mortar.

Notes on application

Initially set mortar cannot be made workable again by adding water or fresh mortar.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

Protect the mortar surface for at least 4 days from too fast dehydration, frost and rain.

Notes

May contain traces of pyrite or iron sulphide.

Do not use on gypsum substrates.

The characteristic data given for this product were determined under laboratory conditions at 20 °C and 65 % relative humidity.

Mixing water must be of potable water quality.

Always set up a trial area(s)!

Application rate-dry

Approx. 1.2 kg/l void

Tools / Cleaning

Hand drill with mixing attachment
Recommendation for filling voids by machine: Desoi Injection Press Mb03, Desoi Spiral Pump SP 4 or BMP 6.

Clean tools with water while the material is still fresh.

Packaging

20 kg paper bag

Art. 0309 high strength
Art. 0312 normal

Storage / Shelf-life

At least 12 months stored dry in closed bags

Safety

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.




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