Range of use

- Rapid grout and repair mortar for use indoors and outdoors
- Early loadable repairs on mineral substrates in dry, damp, wet and under water
- For placing and repairing manhole rings and manhole covers
- For rapid closing of pipe fairleads, cavities and missing parts on concrete, masonry, screed, natural and artificial stone
- For waterproofing and closing of damp and leaking areas e.g. in basements, manholes, galleries, concrete and stone ware pipe

Property profile

- Very high early strength (load-bearing after 45 minutes)
- Allows very fast repair and mounting work even in chilly weather!
- Cement-based factory-mixed, dry mortar, free of chloride additives
- Corrosion inhibiting; does not attack iron.

Characteristic data of the product

- Colour: grey
- Largest grain: up to 2 mm
- Water demand: approx. 14 %
- Working time: approx. 10 minutes, depending on temperature
- Consistence after mixing: approx. 25 cm (slump)
- Initial set (23 °C): approx. 2.2 kg/dm³
- Compression strength:
  - after 1 h ≥ 10 N/mm²
  - after 3 h ≥ 14 N/mm²
  - after 24 h ≥ 30 N/mm²
  - after 7 d ≥ 40 N/mm²
  - after 28 d ≥ 45 N/mm²

Directions

Pour 3.5 l – 3.8 l of water into a clean container (mortar tub) and then add 25 kg Betofix QR2. Mix thoroughly for 1 – 3 minutes at low rotational speed (for example with a BEBA mixer or mixing paddle). Partial amounts can be mixed with 0.14 - 0.15 l parts by volume water per kg powder. **Once mixed, the mortar must be used immediately!**

Supporting casts up to 50 mm, in the case manhole rings corresponding the ring width.

Substrate

The substrate must be clean, sound and previously made matt damp (not wet). Remove all lose parts and layers that could interfere with adhesion.
For the mounting and rising of manhole covers
Clean and the pre-wet the joint between manhole frame and base. Then place the formwork. Pour the gout in the formwork using a suitable filling device and let it even out. After about approx. 20 minutes the formwork can be dismantled and is load-bearing after an hour depending on the temperature.

Notes
Due to the rapid setting, prepare only the quantity of mortar needed.
Do not dilute already mixed mortar with water.
Long and intensive mixing leads to shorter setting times.

Do not use if the temperature of the air, substrate or building material is below 5 °C or above 30 °C. The characteristic data given for this product were determined under laboratory conditions at 20 °C and 65 % relative humidity. Low temperatures lengthen, high temperatures reduce working and setting time.

Protect the exposed surfaces of the fresh mortar from extreme weather loads (heat, wind, frost) by covering with plastic sheets or damp burlap bags.

Tools, cleaning
BEBA mixing equipment, mixing paddle; for large quantities a screed positive mixer may be used.
Clean tools with water while the material is still fresh.

Packaging, application rate, shelf-life
Packaging:
25 kg paper bag
Application rate-dry mortar:
Approx. 2.0 kg/l void
Shelf-life:
At least 12 months stored dry in closed bags

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