

Technical data sheet

SPECIAL MORTAR 3/25

Description of Product:

SPECIAL MORTAR 3/25 → not-shrinking mortar based on cement

Application:

SPECIAL MORTAR 3/25 is used to grout MAX FRANK distance tubes as well as all kinds of concrete openings.

Properties:

- impermeable to water and corrosion-inhibiting
- high adherence to damp surfaces
- resistant to frost and to de-icing salt
- non-shrinking
- fire-resistant
- early high-strength

Specifications:

Product Properties	MAX FRANK Special Mortar 3/25
Grain size (mm)	0 – 2
Bulk Density (kg/l)	approx. 1.60
Apparent density of green mortar (kg/l)	approx. 2.30
Apparent density of dry (set) mortar (kg/l)	approx. 2.20
Initial setting +20°C (min.)	approx. 135
Final setting +20°C (min.)	approx. 205
temperature resistant up to	+230 °C
Slump (DIN 18555) in cm (2.8 l water / 25 kg sack)	approx. 13
Economicalness (kg Special Mortar 3/25 pro m ³ of mortar)	approx. 2000 (= 0.5 l/kg Special Mortar)
Change in volume (bulking) at +20°C (%)*	approx. 1.8
Air void content (%)*	approx. 8
Pot life +20°C (min.)*	approx. 90
Compression Strength (N/mm²)*	Temperature
Time	+20 °C
18 hours	50.4
24 hours	52.0
3 days	64.0
7 days	70,0
28 days	80.5

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Bending Tensile Strength (N/mm ²)*	Temperature
Time	+20°C
18 hours	6.4
24 hours	6.5
3 days	7.1
7 days	9.0
28 days	10.5

* stiff-plastic consistence

Not for use at object, mortar of ambient temperatures below +5°C.

Instructions for grouting MAX FRANK distance tubes:

Preparations:

Clean distance tubes from laitance, dust and sand. Surfaces must be free of oil and grease and should be moistened well.

Mixing and water supply:

Depending on the temperature, more or less water is required. For 1 kg dry mortar approximately 1/8 l of water is required (approx. 3.2 l for 25 kg sack).

First, constantly mix 2/3 of the required amount of water into the mortar, then add controlled amounts of water while continuing to stir until the mortar gets stiff and pasty.

Tools:

For mixing normal quantities a portable drill with a stirrer is sufficient.

Work period:

Depending on the temperature, pot life is approx. 40 minutes.

Consumption:

1 kg dry mortar is required for 1 m of distance tubes Ø 22 mm.

Cleaning:

During breaks and after completion of work all tools must immediately be cleaned carefully with water.

Storage:

Shelf life is approx. 12 months when kept cool and dry in original packing.

The recommendations to the application techniques that have been made to support the user by virtue of our available experience and to the best of our knowledge according to the present state of knowledge in science and practice, are not binding and do not constitute any contracted legal relations or ancillary obligations. They do not exonerate the user from examining the usability of our product for the intended application on his own responsibility.
