

Technical Data Sheet

Special Mortar 3/25

The special mortar is a ready-to-use swelling mortar consisting of cement, quartz aggregates and processing aids. The swelling effect ensures a strong bond with the concrete void to be filled.



Product

Description

SPECIAL MORTAR 3/25 → Non-shrinking cement-based mortar

Uses

SPECIAL MORTAR 3/25 is used for filling MAX FRANK distance tubes and concrete voids of all types. **SPECIAL MORTAR 3/25** is a swellable cement-based mortar of building material class A1 (non-combustible) and is therefore suitable for void-free filling of anchor openings according to DIN 4102 Part 4 or EN 13501 - 1.

Characteristics / advantages

- Water impermeable and corrosion protection
- good adhesion to damp substrates
- frost and chlorideresistant
- shrink-proof
- fire resistant
- fast curing and high tensile strength at early stage

Product Data

Packaging

25 kg paper/PE bag

Storage

Can be stored in a cool, dry place for approx. 12 months in the original packaging.

Material Properties

Product Properties	MAX FRANK Special Mortar 3/25
Grain size (mm)	0 - 1
Bulk density (kg/l)	ca. 1,60
Fresh mortar density (kg/l)	ca. 2,2
Dry bulk density (kg/l) (hardened mortar)	ca. 2,2
Initial setting + 20° C (min.)	ca. 200
Final setting + 20° C (min.)	ca. 400
Temperature resistant up to	+230° C
spreading rate (kg special mortar 3/25 per m ³ mortar)	ca. 2.000 (= 2,0 kg/l Special Mortar)
Pot life + 20° C (min.)*	ca. 45
Compressive strengths N/mm² * (air storage)	Temperature
Time	+20° C
24 hours	20
7 days	40
28 days	50
Bending tensile strengths N/mm² *	Temperature
Time	+20° C
24 hours	4,0
7 days	5,0
28 days	7,0

* stiff-plastic consistence

Do not use below + 5° C ambient, object and mortar temperature.

**Processing instructions
for pressing out FRANK
distance tubes**

Preparation:

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

Mixing and water supply:

The water demand is highly depending on the temperature. Add approx. 1/8 ltr. water to 1 kg dry mortar (approx. 3.2 ltr. for 25 kg bag). First mix in about 2/3 of the required amount of water evenly. Afterwards add the further water until a stiff, paste-like mortar is obtained.

Tool:

A hand drill with mixing paddle is suitable for mixing normal quantities.

Processing time:

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

Consumption:

Approx. 1 kg dry mortar is required per running metre of wall thickness 22cm.

Cleaning

In case of work interruptions and after completion of the work, all working tools must be carefully cleaned with water immediately.

Disclaimer / Notes:

All technical data stated in this TDS are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. Recommendations with regard to product application given in the present technical data sheet for practical assistance of product users are based on our experience and our present scientific and practical body of knowledge. These recommendations, however, are given without engagement and do not establish a contractual relationship or subsidiary duties. These recommendations do not relieve users of their liability and of their own responsibility to test, whether our product is adequate for the intended purpose of application. Please refer to the latest edition of this Technical Data Sheet on our web presence www.maxfrank.com