



## PROPERTIES

Grey high-strength expansive grouting mortar for mechanical engineering

## APPLICATIONS

Filling of hybrid constructions made of sheet steel or cast iron. The powder mixture, which only needs to be mixed with water, produces a pumpable, self-compacting and self-venting casting compound. Mechanical engineering components are thus stiffened, dampen vibrations and have a lower heat transmission.

Applicable for indoor and outdoor use.

## COMPOSITION

Binder according to DIN EN 197, quartzitic aggregates according to DIN EN 13139, admixtures

## SUBSTRATE / FORMWORK

The product is suitable for filling cavities.

## VERARBEITUNG

### Working temperature

Do not apply at air, material and substrate temperatures below +5 °C and above +30 °C.

### Working time

approx. 60 minutes (times refer to +20°C and 65% relative humidity.) Mortar that has already set must not be diluted with additional water, mixed and further processed.

### Mixing / Preparation

Mix the bag contents (25 kg) with approx. 2.875 litres of clean water until a flowable consistency is achieved. Mixing is facilitated if only 75 % of the dry mass and 100 % of the intended amount of water are initially added and mixed with a whisk until a flowable consistency is achieved. The remaining dry mass can then be added and stirred in.

A compulsory mixer is recommended for mixing larger quantities. Only mix as much material as can be applied consistently within the working time.

Up to 15 g of cement-compatible colour pigments can be added per kg of dry matter.

### Application / Processing

The material is poured quickly immediately after mixing.

### Setting / Hardening

Protect from too rapid water extraction by sun, wind or draught.

Low temperatures delay, high temperatures accelerate solidification and hardening.

## Tool cleaning

Clean tools and equipment with water immediately after use.

## Other information

No additives may be added.

## CONSUMPTION / YIELD

Consumption: approx. 2.1 kg/l

Yield: 12.1 l wet mortar per 25 kg sack

## TECHNICAL DATA

Processing temperature:	+5 °C to +30 °C
Working time at 23 °C:	approx. 60 minutes
Water requirement:	approx. 2.875 litres per 25 kg
Mixing time:	approx. 3 to 4 minutes
Compressive strength after 28 days:	≥ 90 N/mm <sup>2</sup>
Flexural strength:	≥ 10 N/mm <sup>2</sup>
Grain size:	0 - 4.5 mm
Hue:	grey

## DELIVERY FORM

25 kg bag, 5 kg bag

## STORAGE

Store in a dry and appropriate place.

Can be stored for at least 12 months from the date of production in the sealed original container.

## SAFETY INSTRUCTIONS

The product reacts strongly alkaline with moisture/water. Therefore protect eyes and skin. Wear rubber gloves when applying the product manually. In case of contact with skin, rinse with plenty of water. In case of eye contact, consult a doctor immediately. Observe further instructions in the safety data sheet.

GISCODE: ZP1 (cementitious products, low in chromate).

## DISPOSAL

Dispose of in accordance with official regulations. Empty containers should be recycled. Material residues can be disposed of according to the Waste Catalogue Ordinance under waste code 17 01 01 (concrete) or 10 13 14 (concrete waste and concrete slurry).

## GENERAL INSTRUCTIONS

The information in this leaflet only represents general recommendations. Should any questions arise in a specific application, please contact our responsible technical sales consultant or our online forum <https://betonsprechstunde.moertelshop.com>. Due to the use of natural raw materials, the stated values and

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