



PROPERTIES

White, fast-setting, slow-hardening sculpting concrete for artistic designs

APPLICATIONS

Casting of white, coloured or marbled sculpting blanks, which can be very easily sculptured immediately after setting and later achieve a very high final strength.

Applicable for indoor and outdoor use.

COMPOSITION

Binder according to DIN EN 197, aggregates, admixtures

SUBSTRATE / FORMWORK

The product is suitable for casting in moulds.

As the final shape is only given after casting, there are no high demands on the surface quality of the mould. However, the mould should be waterproof, as the not yet solidified mass is extremely free-flowing.

VERARBEITUNG

Working temperature

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

Working time

The mortar sets within approx. 10 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 dry mass with max. 200 ml clean water per kg to a flowable consistency. A whisk is recommended for mixing.

The mixed mass can only be processed for approx. 10 minutes. Only mix as much material as can be applied consistently within the processing time.

Increased processing temperatures or reduced addition of water can considerably shorten the processing time.

Application / Processing

The material is quickly poured into the mould immediately after mixing.

Solidification takes place within a few minutes.

As soon as the strength is sufficiently high to remove the casting from the mould without damage, sculpting can begin. As the material is very soft at the beginning, simple scraping tools such as spatulas or spoons are still sufficient for carving one day after casting.

Setting / Hardening

It takes several weeks to reach final strength. Within the first two weeks after casting, the concrete must be protected from too rapid water removal by sun, wind or draught.

Low temperatures delay, high temperatures accelerate the setting and hardening.

Tool cleaning

Clean tools and equipment with water immediately after use.

Other information

No additives may be added.

CONSUMPTION / YIELD

Consumption: approx. 1.9 kg/l

Yield: 13 l wet mortar per 25 kg bag

TECHNICAL DATA

Processing temperature:	+5 °C to +30 °C
Working time at 23 °C:	approx. 10 minutes
Water requirement:	approx. 5 litres per 25 kg
Mixing time:	approx. 1 minute
Compressive strength after 28 days:	≥ 40 N/mm ²
Flexural strength:	≥ 3 N/mm ²
Grain size:	0-0.5 mm
Hue:	white

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 properties may be subject to fluctuations. All information is based on our current knowledge and experience and refers to professional application and normal use. All information is non-binding and does not release the user from the obligation to check the suitability of the product for the intended use. A guarantee for the general validity of all information is excluded with regard to different weather, processing and object conditions. We reserve the right to make changes within the scope of further product and application technology developments. The general rules of construction technology, the applicable standards and guidelines as well as technical processing guidelines must be observed. With the publication of this technical data sheet, previous editions lose their validity. For the latest information, please refer to our website www.moertelshop.com.

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