



PROPERTIES

White ultra-high-strength polymer gypsum-based casting compound

APPLICATIONS

Production of castings with high requirements in terms of whiteness, strength, moulding accuracy and surface quality

Applicable for indoor use

COMPOSITION

Synthetically produced gypsum with polymer additives

SUBSTRATE / FORMWORK

The product is suitable for casting in moulds.

When casting in moulds that are not made of silicone, the mould release agent PLOPP or a comparable agent, preferably wax-based, must be used. No release agent is required for silicone moulds.

PROCESSING

Working temperature

Do not apply at air, material and substrate temperatures below +5 °C and above +23 °C.

Working time

approx. 10 minutes, possibly a little less at high ambient temperatures

Mixing / Preparation

Dose 4 parts by weight powder to 1 part by weight water and mix for approx. one minute without lumps to a good flowing consistency. Small quantities can be mixed by hand. A whisk is recommended for larger quantities.

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

Application / Processing

The material is quickly poured into the mould immediately after mixing. Afterwards, the rising of remaining air bubbles from the mass can be supported by light tapping, poking or jerking, which is particularly recommended when pore-free visible surfaces are required.

Setting / Hardening

Protect against rapid dehydration by sun, wind or draughts.

Tool cleaning

Clean tools and equipment with water immediately after use.

Other information

No additives may be added.

CONSUMPTION / YIELD

Consumption: approx. 1.6 kg/l

Yield: 3.25 litres of casting compound per 5 kg bag

TECHNICAL DATA

Processing temperature:	+5 °C to +23 °C
Working time at 23 °C:	approx. 10 minutes
Water requirement:	approx. 25 % (corresponds to 0.25 litres per 1 kg)
Mixing time:	approx. 1 minute
Compressive strength after 28 days:	$\geq 100 \text{ N/mm}^2$
Flexural strength:	$\geq 10 \text{ N/mm}^2$
Grain size:	flour fine
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

No specific information

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

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