

## Product Data Sheet

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# ORTNER Fireclay cast mass

**Grain size: 0 – 5mm**

### Product properties

The ORTNER fireclay cast mass 0 – 5 mm is an abrasive mortar mass made of high-quality fireclay materials for production of massive construction components with individual formats and tight cast surfaces; suitable for the application in temperature-stressed areas.

### Application

- With formworks produced, armed, plain, and arched components
- Producing of leveling and casting courses at the heat accumulating heating stove construction
- Substructures in combustion chambers.

### Technical data

Maximum grain size	5 mm
Water demand	ca. 0.1 l/kg
Density (vibrated processed)	2200 kg/m <sup>3</sup>
Application temperature	max. 450 °C (higher temp. lowers the strength)

### Processing

Stir dry mass before putting processing quantities in a clean receptacle.

Then mix it with clean water in a ratio of 1:10 slowly with a stirring device and process it within 15 minutes. Warm batching water and intensive heat exposure speed up the setting time.

For producing boards cast a mortar layer in the formwork. Lay the ORTNER fiberglass silk in, push slightly in, and smooth the surface; compact by vibrating or compression molding. After ca. 4-6 h one quarter of the final strength is reached, and the components are, with an adequate attention, transportable. Static loadbearing capacity can be increased by adding the stove-fitter wire as well as increased counter thickness. The dried mortar must not be mixed up again, but disposed of as construction waste!

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## Important notes

- Process the casting mass as dry as possible
- Keep processing temperatures > 5 °C
- Product-specific information as to composition, handling, work protection, cleaning and disposal can be found in the safety data sheet.

## Storage

The ORTNER fireclay cast mass must be stored originally sealed in a cool and dry place. In case of flawless storage above 0 °C, a storage time of 24 months can be warranted.

## Warranty

We guarantee flawless quality of our products. The guidelines regarding the handling are based on tests in our laboratory, and only serve as general guidelines without any formal warranty of properties, as we do not have any influence on field conditions and the execution of work. Color variations and composition updates are subjects to change. Delivery to specialists of furnace construction only.

All the data is based on current state of our knowledge. The data is not, however, formal warranty of product properties and establishes no valid contractual relationship. This document will cease to apply upon publication of a new version.