

CEMFAST RS

General Information

CEMFAST RS is a highly reactive binder based on Calcium Aluminate Cement and is designed for the use in building- and construction products. CEMFAST RS is suitable for mortar applications which require rapid setting and rapid hardening.

CEMFAST RS is primarily used as an additive to Portland cement and therefore the best applications are the binder systems:

- OPC – CEMFAST RS
- OPC – CEMFAST RS – Calcium Sulphate

CEMFAST RS gives the formulator the choice of adding classical additives like accelerators, retarders and plasticizers for fine tuning of their mortar products according to their requirements.

Characteristic Values

CEMFAST RS is characterized by its controlled reactivity which results from the use of optimized process control of chemical and mineralogical composition and fineness during manufacturing.

Initial set (min) ¹	≤ 30 min
Final set	approx. 20 min after initial set
Compressive strength ¹ in (N/mm ²) after 24 h	≥ 25

¹ Tested in a standard mortar according EN 14647, test method described in DIN EN 196-3

Physical properties

Specific weight	3.00–3.02 g/cm ³
Bulk density (not compacted)	1.0–1.2 g/cm ³

Application and use

CEMFAST RS develops high strength within a few hours when mixed with Portland cement or when mixed with Portland cement and Calcium Sulphate.

CEMFAST RS is an excellent choice for:

- Fixing systems
- Rapid grouting material
- Rapid repair mortar
- Ultra rapid repair mortar

Practical hints

Preliminary tests are recommended before the use of additives or a change in the type of sand or Portland cement. Remixing (overworking) after the mortar has begun to set, results in a decline in strength development. Thus only batches that can be used within the expected working time should be mixed. Thoroughly clean mixer and other tools with water immediately after use.

Quality control

Like all other Calucem products, CEMFAST RS production is subject to stringent quality control. Constant monitoring of all components ensures a consistent quality. The production plant is certified according to EN ISO 9001 – Reg. No. CH08/1542 and ISO 14001 – Reg. No. CH08/1543.

Storage and shelf-life

CEMFAST RS has to be stored in dry conditions and protected against moisture. When stored appropriately in sealed packaging, the material will last for up to six months.

Safety and environmental instructions

Working with CEMFAST RS is subject to the following German legal provisions:

Storage (Federal Water Act)	Water Risk Class 1
Waste disposal	EWC Wastedisposal code 101399

Local laws and legal provisions should be observed. A materials safety data sheet for this product is available.

As of: 09/2014 / All previous technical data sheets are no longer valid.