



CEM rapid

- Fast Cement -

Chloride-free, fast-setting cement for universal use

Colour	Availability		
	Quantity per pallet	64	32
	Size / Quantity	5 kg	
	Type of container	Plastic bucket	Plastic bucket
	Container code	05	15
	Art. no.		
grey	2834	■	■

Application rate

Approx. 2.0 kg/l void



Range of use



- Fast-setting mortar for quick mounting of add-on parts
- Rapid repair of leaking areas, seepage areas and water intrushes
- Casting with open and closed moulds
- Accelerator for mortars with normal setting properties

Property profile

- Very high early and final strength
- Reacts within minutes (5 minutes)
- Water impermeable
- Freeze/thaw-resistant
- Can be mixed with cements as per DIN EN 197-1

Characteristic data of the product

Water requirement	Approx. 1.2 - 1.5 l/5 kg
Load-bearing capacity (20 °C)	Approx. 15 minutes
Compressive strength	30 min = approx. 10 N/mm ² 24 h = approx. 25 N/mm ² 28 days = approx. 50 N/mm ²
Initial setting (20 °C)	Approx. 5 minutes

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- **Test certificate corrosion protection behaviour**

Preparation

- **Substrate requirements**
Clean, dust-free and capable of supporting a load.
- **Substrate preparation**
Pre-wet the substrate so that it is slightly moist.

Production of the mixture



- **Mixing**
Mixing ratio according to application:
Quick mounting/fixing of anchoring: approx. 3 parts by volume CEM rapid to 1 part by volume water
Sealing/closing leaks/damp areas: approx. 3 parts by volume CEM rapid to 1 part by volume water
Producing moulds: approx. 2 parts by volume CEM rapid to 1 part by volume water
Fast-setting additive: approx. 10 - 20% by weight CEM rapid

Pour water into a clean container and add dry mortar.
Use a mixer to mix intensively and homogeneously until a suitable consistency is obtained.



Directions



Conditions for use

Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.
Low temperatures increase, while high temperatures decrease the working and setting time.

Working time (+20 °C)

Approx. 3 minutes

Quick mounting

Fill the assembly area with material, applying light pressure.

Accelerator

Add 10-20% by weight of the material, depending on the desired setting time, to the cement mortar.

Tips on use

Once it has hardened, mortar must not be made workable again by adding either water or more wet mortar.
Protect wet mortar surfaces against frost, rain and drying out too quickly for at least 4 days.
Leftover product in the mixing containers accelerates setting.

Notes

Do not use on gypsum-based substrates.
The mixing water must be of drinking water quality.
May contain traces of pyrite (iron sulphide).
The characteristic data of the product were calculated under laboratory conditions at 20°C and 65% relative humidity.
Alkaline binders may cause a dissolution process on non-ferrous metals.
Current regulations and legal requirements must be taken into account and deviations from these must be agreed separately.
The relevant test certificates must be observed when planning and carrying out work.

Tools / Cleaning



Mixing tool, trowel, filler knife
Clean tools with water while the material is still fresh.

Remmers tools

- **Mischgefäß (4030)**
- **Collomix® Stirrer KR (4292)**

Storage / Shelf life



If stored in an unopened container and in a dry place, the product will keep for approx. 12 months.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

Declaration of conformity



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GBI-P 145

EN 1504-3: 2005

2834

For applications with low performance requirements in construction and civil engineering

Compressive strength class:	R2
Chloride ion content:	NPD
Adhesive bond:	NPD
Restrained shrinkage/expansion:	NPD
Elastic modulus:	≥ 19 MPa
Thermal compatibility Part 1 and 4:	NPD
Capillary absorption:	NPD
Reaction to fire class:	A1



Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.