

# CB 1 QUICK-SETTING CEMENT

CHLORIDE FREE QUICK-SETTING CEMENT FOR THE IMMEDIATE SEALING OF LEAKS.

## CHARACTERISTICS

- For the sealing of water leaks.
- Cured after 3 minutes.
- No shrinkage.
- For internal and external use.

## APPLICATIONS

**CB 1 Quick-setting cement** can be used for immediate sealing in concrete, cementitious substrates, plaster and masonry. **CB 1 Quick-setting cement** can also be used for the sealing of breaches or water leaks in pipes.

## TECHNICAL DATA

Base	: Pure cementitious quick-setting cement
Specific weight	: $\pm 1,32$ kg/L
Processing time	: $\pm 50$ seconds
Processing temperature	: Between $+5^{\circ}\text{C}$ and $+30^{\circ}\text{C}$
Mixing ratio	: Approx. 0,3 L of water / kg
Compressive strength	: After 6 hours $\geq 12,5$ N/mm <sup>2</sup> After 24 hours $\geq 18,0$ N/mm <sup>2</sup> After 28 days $\geq 35,0$ N/mm <sup>2</sup>
Flexural strength	: After 6 hours $\geq 2$ N/mm <sup>2</sup> After 24 hours $\geq 3$ N/mm <sup>2</sup> After 28 days $\geq 8$ N/mm <sup>2</sup>
Material consumption	: $\pm 1,6$ kg/L

## PREPARATION OF THE BASE

The underground must be solid, sufficiently load-bearing, free of dirt, grease, dust and other contamination. If necessary, wet rough and porous surfaces beforehand.



## PROCESSING

Add, while stirring, **CB 1 Quick-setting cement** to clean water in the mixing ratio of 1 kg quick-setting cement to 0,3 L of water. Use the quick-setting cement immediately after mixing, do not stir again.

**CB 1 Quick-setting cement** can also be applied dry directly at the location of the leakage in case of strong water pressure. The mortar hardens immediately and is cured after 3 minutes. Remove fresh residues of quick-setting cement immediately with water. Once cured the quick-setting cement can only be removed mechanically.

## GENERAL GUIDELINES

**CB 1 Quick-setting cement** can only be processed at a temperature between + 5 °C and + 30 °C. All mentioned data were determined at a temperature of + 20 °C and a relative humidity of 60%. When processing at lower or higher temperatures the curing and drying time will be either shorter or longer.

If necessary, take measures, for example use warm water at low temperatures. Do not mix the product with other substances, additives or binding agents.

**CB 1 Quick-setting cement** contains cement and reacts alkalically with water, avoid therefore contact with skin and eyes. In case of contact with eyes, rinse immediately with water and call a doctor.

## PACKAGING

Plastic buckets of 10 kgs

## SHELF-LIFE

Can be stored for at least 12 months in closed packaging when stored dry and frost-free.

## INSTRUCTIONS

In addition to these data, the relevant regulations and regulations of the various organizations and trade unions as well as the DIN standards for the material to be processed must be taken into account.

The mentioned properties of the product have been proven both in practice and in application tests. We do not, however, have any influence on situation dependent circumstances. Therefore, in case of doubt, first test whether the product is suitable.

## CONSIDERATION - EPILOGUE

The information in this technical sheet is based on extensive research and experience. However, the information is provided without any guarantee - directly implied - as to its correctness. The conditions or methods of handling, storage, use of the product are beyond our control and may also be beyond our knowledge. For these and other reasons, we accept no liability for damage or nuisance of any kind, caused by the use of the product in question. The indicated characteristics and properties are average values and analyses obtained at 20 °C, deviations are tolerated. The rewrite of this sheet replaces all previous sheets.