



# CONCRETE RETARDER A5



## Solidification retarder

### Product description

CONCRETE RETARDER A5 slows down the hydration process of the cement, which can significantly extend the processing time of the concrete. This significantly reduces the heat of hydration in the initial phase and distributes it over a wider period of time. Under certain circumstances, this leads to a reduction in heat cracking, especially when mass concrete is used.

### Processing

CONCRETE RETARDER A5 must always be added to the finished mixture. If the addition is to be made to the aggregates, the effect must be checked or proven in each individual case. In any case, the mixing time must be adapted to the local conditions.

### Application notes

- Before use in concrete, a suitability test in accordance with applicable standards or guidelines is always necessary, since the retarding effect depends on the cement, the w/c ratio, the ambient temperature and the processing consistency.
- Overdosage of CONCRETE RETARDER A5 will not result in "flash curing".
- CONCRETE RETARDER A5 can completely stop the hydration of the cement in case of overdosage.

### Monitoring/approval

Retarder according to EN 934-2: T.8

Contains only substances according to EN 934-1:2008, Annex A5

CONCRETE RETARDER A5 is suitable for reinforced and pre-stressed concrete as well as for concrete according to ZTV-ING.

## Technical characteristics

- Reddish liquid
- Density: 1,2 g/cm<sup>3</sup>
- Processing temperature: from + 5°C
- Water hazard class (WGK): 1 (self-classification)

## Consumption

Recommended dosage: 0.2 to 1.8 wt.%. The required dosage depends, among other things, on the concrete formulation and the reactivity of the cement and must be determined in the course of a property test.

## Packaging

- 25 kg container
- 250 kg drum
- 1200 kg container

## Storage

Protect from contamination and frost.

## Shelf life

Shelf life at + 20°C 12 months from date of manufacture in closed original packaging.

## Safety

See EC safety data sheet.

## Environment

Container can be emptied of residues and recycled or disposed of according to type.