

Centrament SRA 1

Stabilizer with shrinkage reducing properties



PRODUCT PROPERTIES

- Improves the concrete homogeneity
- Reduces sedimentation and bleeding
- Reduces internal friction within the concrete
- Reduces drying shrinkage of cementitious building materials
- Free of corrosion promoting components
- Reduces curling

AREAS OF APPLICATION

- Cementitious screeds
- Pre-cast elements
- High-performance concrete

APPLICATION ADVICE

Centrament SRA 1 stabilises the cement paste by reducing the internal friction. A homogeneous concrete can be achieved, sedimentation and bleeding of the fresh concrete can be reduced. Furthermore Centrament SRA 1 can decrease the amount of scaling of already hardened concrete surfaces.

By adding Centrament SRA 1 the pore solution can be stabilised which can lead to a better drying shrinkage performance.

The drying shrinkage behaviour of mineral based building material depends on various values like raw materials and concrete technological values such as the water content, binder content, water/cement ratio etc.

The required dosage of Centrament SRA1 depends on the field of application and should be determined beforehand by performing suitability tests.

The product is added only after aggregate, binder and water have been mixed together and usually before other admixture types, where applicable.

Relevant regulations for the manufacture, processing and curing of concrete and reinforced concrete must be observed.

Please note the "General Information on the Use of Concrete Admixtures".

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

| Characteristic | Unit | Value | Comments |
|----------------------------|--------------------|--------------|---------------------------|
| Density | kg/dm ³ | approx. 1.01 | ± 0.02 kg/dm ³ |
| Recommended dosage range | g | 9 - 50 | per kg cement |
| Chloride content (maximum) | % | < 0.1 | mass fraction |
| Alkaline content (maximum) | % | < 0.5 | mass fraction |

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

| | |
|-------------------------------|--|
| Self-monitoring | EN ISO 9001 |
| Type of admixture | stabiliser per EN 934-2: T4 |
| Designation of admixture | Centrament SRA 1 |
| Colour | yellowish brown |
| Form | liquid |
| Notified body | Karlsruher Institut für Technologie (KIT) Materialprüfungs- & Forschungsanstalt, MPA Karlsruhe, Notified Body number: 0754 |
| In-company production control | EN ISO 9001, EN 934-2/6 |
| Storage | Can be stored in original sealed packages at temperatures between 5°C and 30°C in dry conditions for at least 12 months. |
| Colour code of label | violet |
| Delivery form | 200 kg drums 1,000 kg container |

Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : BZM10

Note: The information contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018351]