

# Centrament Rapid 601

Hardening accelerator



## PRODUCT PROPERTIES

- Chloride-free
- Powdery
- Controlled reduction of the setting time of concrete and mortar
- For reinforced concrete

## AREAS OF APPLICATION

- Precast elements
- For increasing the early strength
- For reducing the station times
- Ready mixed concrete
- Arrangements at winter site
- Concreting under winter conditions

## APPLICATION ADVICE

Centrament Rapid 601 can be used for concrete and reinforced concrete in accordance with EN 206-1. Not for prestressed concrete.

With Centrament Rapid 601 the concrete get a fast strength development, without influencing the processing time.

The accelerating effect significantly depends on the reactivity of the used type of cement, as well as the water/ cement value.

In act within the initial test the dosage of Centrament Rapid 601 have to be fixed, because of the initial strength and other required properties of concrete.

Centrament Rapid 601 can be used in combinati- on with other MC-admixtures.

Centrament Rapid 601 is added to the concrete during the mixing. It is most effective when added after the additional water. It is also possible to apply it with the added water. It is very necessary to reach a good effectual mixing time. After adding this admixture the mixing time should not be less than 1 minute.

Please note the “General information on the use of concrete admixtures”.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

| Characteristic             | Unit               | Value        | Comments                  |
|----------------------------|--------------------|--------------|---------------------------|
| Density                    | kg/dm <sup>3</sup> | approx. 0.85 | ± 0.02 kg/dm <sup>3</sup> |
| Recommended dosage range   | g                  | 2 - 50       | per kg cement             |
| Chloride content (maximum) | %                  | < 0.1        | mass fraction             |
| Alkaline content (maximum) | %                  | < 1.0        | 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             | Hardening accelerator per EN 934-2: T7   |
| Designation of admixture      | Centrament Rapid 601   |
| Colour                        | Beige  |
| Form                          | pulverous  |
| 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          | green  |
| Delivery form                 | 20 kg bag  |

### 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. [2300019954]