TECNICAL DATA SHEET

CEM I 52,5 R - Milke® premium

Plant Milke, Geseke

Composition

CEM I 52,5 R - Milke® premium is a Portland cement in accordance with DIN EN 197-1. It consists of Portland cement clinker and a sulfate carrier, which is required as a setting regulator. The optimized production process ensures a high level of cement consistency. As a low-chromate cement, it may additionally contain small amounts of a chromate-reducing additive. Through this addition, the binder complies with Regulation (EC) No. 1907/2006 (REACH) as a low-chromate material.

Area of Application

CEM I 52,5 R - Milke® premium can be used for the production of concrete, including structural engineering applications. The cement is generally suitable for all exposure classes according to DIN 1045-2. Only in exposure classes XA2 and XA3 must a cement with high sulfate resistance (SR) be used if sulfate attack from soils with a sulfate content > 3,000 mg/kg or water with a sulfate content > 600 mg/l is present. In cases of exposure to water with a sulfate content ≤ 1,500 mg/l, a combination of cement without high sulfate resistance and fly ash may also be used.

CEM I 52.5 R Milke® premium lends itself to applications in which a high early strength and final strength development is desired. Due to its good processability, it is especially well suited for use in factory-produced dry mortars such as grout compounds, screed compounds, self-leveling floor filling and leveling compounds, tile adhesives, grout mortars, SPCC mortars, repair mortars, etc.

Processing Instructions

To fully utilize the potential of the cement, the generally recognized rules of technology must be observed, such as adequate curing to prevent drying out and freezing. During the handling of cement, contact with the skin and eyes should be avoided. Personal protective measures, such as wearing protective gloves and safety goggles, are required.

Environmental Relevance

In addition to the thermal and electrical energy used in cement production, which leads to CO_2 emissions, significant amounts of CO_2 are also released during the firing of Portland cement clinker due to process-related factors. CO_2 is a greenhouse gas relevant to climate change. Due to the high clinker content in Portland cements, they should only be used where their properties are specifically required.

Verkauf und Beratung

Heidelberg Materials AG, Verkaufsregion Nord
Zur Anneliese 7
59320 Ennigerloh
Tel.: + 49 2524 2951-271
mailto: zement.vertriebnord@heidelbergmaterials.com

www.heidelbergmaterials.de

Monitoring

CEM I 52,5 R - Milke® premium is subject to in-plant production inspection according to the conformity criteria defined by DIN EN 197-1 and is monitored by the Verein Deutscher Zementwerke e.V. (VDZ).

Storage

Cements are sensitive to moisture and should therefore be stored in a dry place and protected from moisture.
With proper storage, the low-chromium property of this cement is guaranteed for the following period:

- 12 months from loading date

Stand unverändert seit: Juni 2026

Verkauf und Beratung

Heidelberg Materials AG, Verkaufsregion Nord
Zur Anneliese 7
59320 Ennigerloh
Tel.: + 49 2524 2951-271
mailto: zement.vertriebnord@heidelbergmaterials.com

www.heidelbergmaterials.de