

Technical Data Sheet

CEM I 42,5 N - Milke[®] basic

Composition

CEM I 42.5 N Milke[®] basic is a Portland cement complying with DIN EN 197-1. It consists of Portland cement clinker and a sulfate compound, which is needed as a setting regulator. The optimized production process ensures a high degree of uniformity of the cement. As a low-chromium cement, a small amount of a chromium-reducing additive may also be included.

Properties

CEM I 42.5 N Milke[®] basic is comparable in processing and initial strength to a Portland cement of grade 32.5 R. The cement exhibits good compatibility and effectiveness with construction chemical additives and is thus especially well suited for the production of dry mortar systems.

The cement complies with EU Directive 2003/53/EC for low chromium levels.

Area of Application

CEM I 42.5 N Milke[®] basic lends itself to applications in which a normal 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 adhesives, plasters, masonry mortars, etc.

Processing Instructions

In order to take advantage of the full potential of the cement, the accepted rules of the trade, such as adequate curing to protect against desiccation and freezing, must be applied. Contact with the skin and eyes must be avoided when working with cement. Individual safety measures, such as gloves and protective eyewear, are prescribed.

Monitoring

CEM I 42.5 N Milke[®] basic 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).

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Delivery

CEM I 42.5 N Milke[®] basic is supplied exclusively as bulk goods in a silo truck or "big-bag".

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

Sales and Consulting

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