

Märker Zement

Technical Data Sheet

Portland-limestone cement CEM II/A-LL42,5 N

Märker Portland Cement CEM II/A-LL42,5 N is produced by intergrinding high grade Portland cement clinker with a selected Jura limestone meal or by mixing cement with a selected Jura limestone meal, optimised and matched to each other.

The special properties of **Märker Portland Cement CEM II/A-LL42,5 N** are produced by the finely ground limestone. The cement is characterized by greater fineness than normal CEM I 42,5 N cement, but without an increase in water demand.

Composition: Portland cement clinker, up to 20 % selected and tested limestone, sulfate agents to regulate the setting.

Properties: Standard early strength
Standard level of hydration heat development
Standard hardening

Applications: Production of:
Concrete, reinforced and prestressed concrete according to EN 206-1 / German norm DIN 1045-2
Concrete constructions according to ZTV-Ing ⁽¹⁾
Screed
Industrial floor

Recommended compressive strength: C 8/10 to C 30/37

In order to achieve unerringly and economically the required fresh and hardened concrete properties the concrete composition is to be determined by an initial type-testing which should take place in good time before the start of concreting.

Miscibility: can be mixed with all cements complying with EN 197, but **not** with gypsum or gypsum products.

Technical standard: Cement as specified in EN 197

Quality control: in-house monitoring, and external quality control in accordance with EN 197 by the Research Institute of the Cement Industry, Düsseldorf, Germany.

Supply: in bulk in silo trucks
Low-chromate cement in accordance with REGULATION (EC) No 1907/2006

Storage: Cement should be stored under suitable dry conditions protected from moisture and humidity

(1) Additional technical terms of contract and guidelines for civil engineering works
(German designation: ZTV-ING)

Revised: 08/2015



Märker Zement GmbH, Oskar-Märker-Straße 24, D - 86655 Harburg

Tel.: +49 (0)9080/8-0

Fax: +49 (0)9080/8335

Internet: www.maerker-gruppe.de

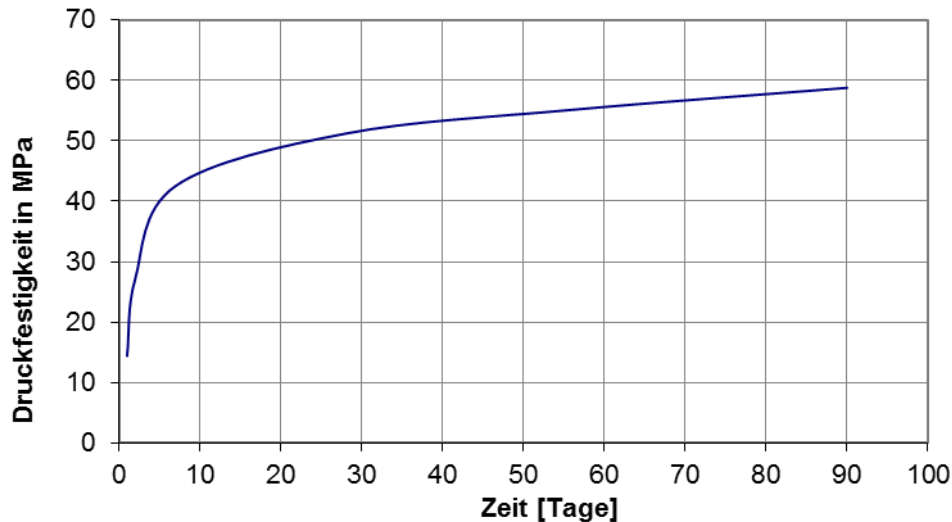
Email: verkauf@maerker-gruppe.de

Märker Zement

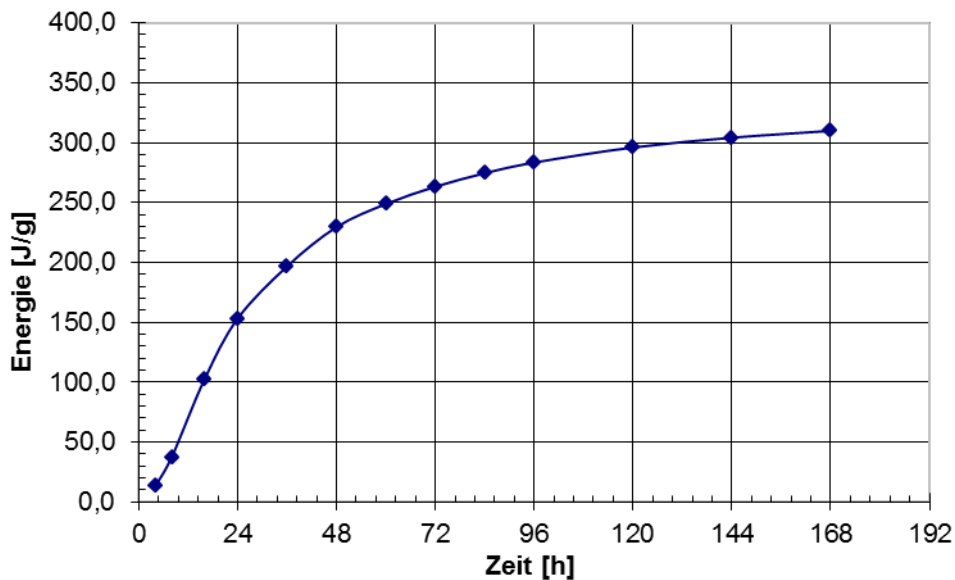
Technical Data Sheet

Portland-limestone cement CEM II/A-LL42,5 N

Development of compressive strength [Druckfestigkeit] based on duration [Tage] = days



Evolution of hydration heat (Energie) based on time [Zeit] = time



Regarding the handling of our products please refer to our current safety data sheets according to EC regulation No. 1907/2006. Any information, product description or reproduction of technical data given in this publication shall be provided without warranty and liability shall be excluded. The data presented in our data sheets are average values based on numerous measurements.

Revised: 08/2015



Märker Zement GmbH, Oskar-Märker-Straße 24, D - 86655 Harburg

Tel.: +49 (0)9080/8-0

Fax: +49 (0)9080/8335

Internet: www.maerker-gruppe.de

Email: verkauf@maerker-gruppe.de