

Märker Zement

Technical Data Sheet

Portland-limestone cement CEM II/A-LL 42,5 R

Märker Portland Cement CEM II/A-LL 42,5 R 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-LL 42,5 R** are produced by the finely ground limestone. With carefully controlled concrete production, it is therefore possible to have a small safety margin and the required concrete strengths can be achieved economically. Due to its high specific surface area, it has an exceptional water retention capability and therefore does not tend to "bleed".

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

Properties: High 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
Prestressed concrete according to German norm DIN 1045-1
Concrete constructions according to ZTV-Ing ⁽¹⁾
Industrial floor
Precast concrete elements

Recommended compressive strength \geq 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



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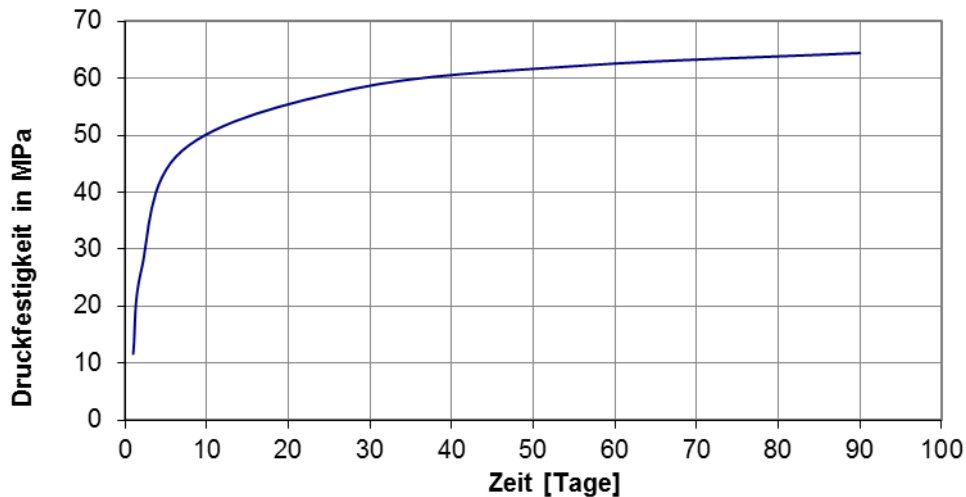
Email: verkauf@maerker-gruppe.de

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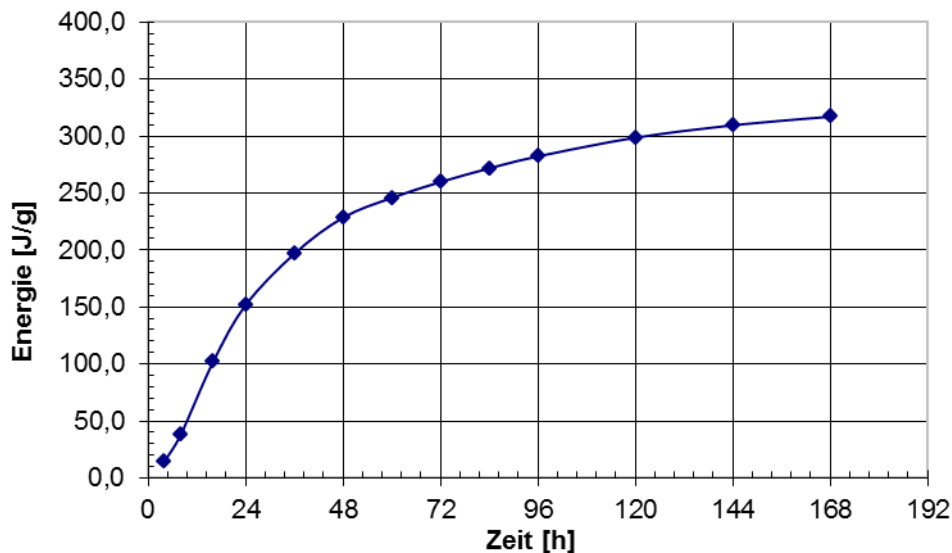
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Development of compressive strength [Druckfestigkeit] based on duration [Tage] = days



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.

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