

CONDITION 4 LIME

MORTAR

SPEC

FASZINATION KALK ...

OTTERBEIN



... SEIT JAHRTAUSENDEN BEWÄHRT®

Wer auf die Natur setzt,
kann auf uns bauen.

Technical Data Sheet

CALCIDUR® NHL 2

Natural Hydraulic Lime
EN 459-1 NHL 2

Mixing ratio for standard-type mortar in room sections:

Mortar group	CALCIDUR® NHL 2	Cement	Sand
I	1	-	3
II	2	1	8
Plastering mortar			
Plc	1	-	3 to 4

Composition

CALCIDUR® NHL 2 is a natural hydraulic lime acc. to EN 459-1. It is produced through burning and staking a specifically selected shell limestone. The stabilizing process of CALCIDUR® NHL 2 is effected through carbonation and hydraulic hardening. CALCIDUR® NHL 2 is free from cement!

Properties

- historic, cement- and gypsum-free natural hydraulic binder
- high sulphate resistance
- low-tension hardening process
- very good subsequent hardening properties
- no penetration of damaging salts into the masonry
- high elasticity and water retention capacity in mortar produced
- very good side adhesion at stone
- low elasticity module

Application

For the production of plaster- and brick mortar in ecological, biological building construction, in the restoration and preservation of historic buildings.

Delivery

In 25 kg bag
In big bag
In silo vehicles

Storage

Dry, if possible on wooden shelves and protected against draft. Storage time shall not exceed 6 months.

Technical data

Bulk density: approx. 0.5 kg/dm³
free CaO: approx. 35 %
SO₂: approx. 0.4 %

Compression strength (acc. to EN 459-2):

28 days: approx. 4.0 N/mm²
6 months: approx. 6.5 N/mm²
12 months: approx. 8.5 N/mm²

Safety instructions

CALCIDUR® NHL 2 reacts strongly alkaline with water, thus: Protect skin and eyes, rinse thoroughly with water in case of contact, immediately contact doctor in case of eye contact.

Quality-monitored production

CALCIDUR® NHL 2 is continuously tested in our plant laboratory within the scope of our in-house monitoring with respect to the fulfilment of composition and properties. This will ensure a uniform quality of the product. CALCIDUR® NHL 2 has the quality certificate „Building lime“ and is certified acc. to EN 459-1.

The information supplied in this technical data sheet is based on the know-how gained by our development department and on the collected experience from the field. A liability for the exact validity of the individual data cannot be derived there from, however, because differing processing requirements or processing methods are outside of our scope of influence. With respect to the quality of our products, we refer to the warranty given within the scope of our General terms and conditions. Our field service consultants will be ready to assist you in case of any further questions with respect to the application. We reserve the right to changes improving our products. Version 12.07.2016 (Substitutes all prior versions).