



Technical Data Sheet

CALCIDUR® NHL 3.5

Natural Hydraulic Lime
EN 459-1 NHL 3.5

Mixing ratio for standard-type mortar in room sections:

| Mortar group | CALCIDUR® NHL 3.5 | Cement | Sand |
|--------------------------|-------------------|--------|------|
| I | 1 | - | 3.5 |
| II | 2 | 1 | 9 |
| Plastering mortar | | | |
| Plc | 1 | - | 3 |

Composition

CALCIDUR® NHL 3.5 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 3.5 is effected through carbonation and hydraulic hardening. CALCIDUR® NHL 3.5 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. 0.55 kg/dm³
free CaO: approx. 32 %
SO₃: approx. 0.4 %

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

28 days: approx. 4.8 N/mm²
6 months: approx. 8.5 N/mm²
12 months: approx. 10.5 N/mm²

Safety instructions

CALCIDUR® NHL 3.5 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 3.5 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 3.5 has the quality certificate „Building lime“ and is certified acc. to EN 459-1.