



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 3 months.

Technical data

Bulk density:	approx. 0.55 kg/dm ³
free CaO:	approx. 32 %
SO ₃ :	approx. 0.4 %

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

28 days:	approx. 4.8 N/mm ²
6 months:	approx. 8.5 N/mm ²
12 months:	approx. 10.5 N/mm ²

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.