



## 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	Mortar		
	CALCIDUR® NHL 3.5	Cement	Sand
I	1	-	3.5
II	2	1	9
<b>Plastering mortar</b>			
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 silo vehicles

#### Special notes

The air and surface temperature must be at least 5 °C and maximum 25 °C.

#### 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/dm<sup>3</sup>  
free CaO: approx. 32 %  
SO<sub>3</sub>: approx. 0.4 %

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

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

#### 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.