



DATASHEET

NHL 3.5

(Chaux LC**** Pure)

Main data and application recommendations

Product specification: Pure and Natural Hydraulic Lime (NHL). Contains no additives. Conforms to European Norms (EN 459) and French Norm NFP 15.311

Strength factor: 3.5 (Moderately hydraulic)

Residue @ 0.09 mm: 6.5%

Density (volumetric weight) : typical 40.6lbs/ft³

Available (free) lime after slaking Ca(OH)₂: 25% +

Packing: 55lb. Bags

Whiteness index: 72

Surface cover 274 sq.ft./oz

Expansion : < 3/64"

Residue of quick lime after slaking: < 1%

Shelf life: 8-12 months kept sealed and dry

MORTARS MIX RATIO	Compressive strength PSI			Elasticity Moduli (Mpa)			
	EN459*	1 : 2	1 : 2.5	1 : 3	1 : 2	1 : 2.5	1 : 3
7 DAYS		109	83	77			
28 DAYS	3.5*	273	213	194	9010	9000	8070
6 MONTHS		1029	774	571	15260	13501	12450
12 MONTHS		1087	855	565	15280	13620	13150
24 MONTHS		1251	870	576	17480	13785	13670
Consumption for 1cu. yd of mortar lbs. +/- 10%		514	411	364			

* Incoming European Norm EN 459 (mortar ratio 1:1.3 with ISO 679 Sand)

Mixing: can be mixed in regular mortar mixers.

Application by spray gun: possible. Please consult us.

Working temperatures: not below 40°F or above 85°F. Make sure that high suction materials are thoroughly dampened before application. Avoid rapid drying due to high temperatures or strong winds by curing with a light water mist several times a day if necessary. Protect from frost, rain, direct sun and strong wind for a minimum of 72 hours.

SUITABLE FOR LATH WORK / LIME CONCRETE/INJECTION/GROUTING see relevant sheets.

Reworking: possible within 12 hours.



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Mortar composition: MASONRY/POINTING/ CAPPING/ BEDDING/ ASHLAR

Binder: sand ratio: from 1:1.5 to 1:3 depending on the support/background conditions, the size of the joint and the fineness of the sand. Always use well graded sands (#6 down to #200).

See also “*General Guidelines – Sands for NHL mortars*”.

RENDERING

A. Pricking up coat (if required) (1/8"-3/16") 1 VOLUME NHL 3.5 : 1.5 VOLUMES of SAND Cast on.

B. Undercoat (5/8"-3/4") 1 VOLUME NHL 3.5 : 2 VOLUMES of SAND*

C. Finishing (3/16"-3/8") 1 VOLUME NHL 3.5 : 2.5 VOLUMES of SAND

With very fine sands possibly containing clays the binder content may have to be reduced.

**At this dosage the consumption is approx. 2.05lbs of NHL 3.5 per sq. yd. for each 1/8" thickness.*

Please also refer to General Guidelines: *NHL Renders*.

The above details are given for information purposes only. Final dosages and application should be checked with our technicians. The Factory reserves the right to alter specifications.