



DATASHEET

NHL 5

(Chaux 100 naturelle Pure)
Main data and application recommendations

Product specification: pure and natural hydraulic lime. Contains no additives.
Conforms to European Norm (EN 459) and French Norm NFP 15.311

Strength factor: 5 (Eminently hydraulic)

Whiteness index: 67

Residue @ 0.09 mm: 7%

Surface cover 244 sq.ft/oz

Density (volumetric weight) typical. 43.7 lbs/cu.ft.

Expansion : < 3/64"

Available (free) lime Ca(OH)₂ after slaking: 15-20%

Residue of quick lime after slaking: < 1%

Shelf life: 8-12 months kept sealed and dry

Packing: 66kg. Bags

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		284	245	128	n/a	n/a	n/a
28 Days	5*	319	290	217	10800	11000	10000
6 Months		1060	857	770	18000	17050	16900
12 Months		1346	1282	942	18510	17280	16150
24 Months		1567	1277	1131	21500	18020	17430
Consumption for 1m ² of mortar lbs +/- 10%		590	472	393			

*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 48 hours.

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

Reworking: possible within 8 hours.



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**Mortar composition: MASONRY/POINTING/CAPPING/MASS WALL BEDDING/
FOUNDATION/SEA DEFENSE WALLS/CHIMNEY STACK/NEW BUILD (Masonry)**

Depending on the conditions of the support/background, the fineness of the sand and the size of the joints, binder : sand ratio values vary between 1: 1.5 to 1: 2.5

Choose well graded sands (#6 to #200).

See also "General Guidelines – [Sands for NHL mortars](#)".

RENDERING

A. Scratch coat (1/8"-3/16") 1 VOLUME NHL 5 : 1.5 VOLUMES of SAND Cast on recommended

B. Undercoat (5/8"-3/4") 1 VOLUME NHL 5 : 2 VOLUMES of SAND * (1:2.5 max)

*At this dosage the consumption is approx 2.34lbs. of NHL 5 per sq.yd for each 1/8" of thickness

C. Finishing (3/16"-3/8") USE NHL 3.5 OR NHL 2, see relevant sheets

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.