

# NHL 2

## Main Data and Application Recommendations

**Product specification: pure and Natural Hydraulic Lime (NHL). Contains no additives.**

Conforms to European Norm EN 459 and French Norm NFP 15.311

Strength factor: 2 (Feebly hydraulic)

Residue @ 0.09 mm: 5%

Whiteness index: 76

Available (free) lime Ca(OH)<sub>2</sub> after slaking: 50-55%

**Packing:** 55 lbs. (25kg) Bags

Density (volumetric weight) : typical 31.2 lb/ft<sup>3</sup> (500 gr. / liter)

Surface cover: 362 sqft/oz (cm<sup>2</sup> per gram: 11000)

Expansion : < 3/64" (1 mm)

Residue of quick lime after slaking: <1%

**Shelf life:** 8-12 months kept sealed and dry

MORTARS MIX RATIO	Compressive strength - PSI(N/mm <sup>2</sup> )			Elasticity Moduli 10 <sup>3</sup> psi (Mpa)			
	EN459*	1 : 2	1:2.5	1 : 3	1 : 2	1 : 2.5	1 : 3
7 DAYS		90(0.62)	77 (0.53)	68 (0.47)			
28 DAYS	290(2.00*)	215(1.48)	198(1.36)	197(1.25)	1309(9025)	1421(9800)	1305(9000)
6 MONTHS		557(3.84)	435(3.00)	418(2.88)	1827(12600)	1744(12030)	1699(11800)
12 MONTHS		580(4.00)	420(2.90)	420(2.90)	1815(12515)	1744(12030)	1725(11900)
24 MONTHS		616(4.25)	435(3.00)	399(2.75)	1939(13375)	1740(12000)	1704(11750)
Consumption for 1 yard <sup>3</sup> (1m <sup>3</sup> ) of mortar							
lbs +/-10% (kg. +/- 10%)		472(280)	378(224)	283(168)			

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

**Mixing:** can be mixed in cement mixers.

**Application by Spray Gun:** possible.

**Working temperatures:** not below 40<sup>0</sup>F or above 85<sup>0</sup>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 96 hours.

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

**Reworking:** possible within 24 hours.

### Mortar Uses

#### MASONRY/POINTING 1 VOLUME OF NHL 2 : 2 VOLUMES OF SAND

Choose well graded sands (#6 (3mm):#200 (75microns)). See also "General Guidelines – Sands for NHL mortars".

**PLASTERING:** on earth or friable supports, after preparation and cleaning, dampen with a 1:20 solution of NHL2/water applied in 2 coats.

- A. Scratch Coat 1/8" – 3/16" (3 - 4 mm) 3 VOLUMES OF NHL 2 : 5 VOLUMES OF SAND  
This coat is applied by casting on to a still damp but not over saturated support and is left as cast to provide good keying.
- B. Brown Coat 5/8" – 3/4" (15-20 mm) 1 VOLUME OF NHL 2 : 2 VOLUMES OF SAND  
Can be applied in 2 passes of min. .3/8"(1cm) Second pass only after first is reasonably dry.
- C. Finish Coat 3/16" (5mm) 1 VOLUME OF NHL 2 : 2.5 VOLUMES OF SAND  
The dosage / thickness may vary in accordance with the desired finish and the sand used. In smooth floated finishes if very fine sands containing clay are used the binder (NHL) quantity will be reduced.

Please also refer to General Guidelines: NHL Plasters.

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.