

NHL 2

Main Data and Application Recommendations

Product Specification: Pure and Natural Hydraulic Lime (NHL). Contains no additives.

Conforms to European Norms (EN 459)

Strength Factor: 2 (feebly hydraulic)

Residue @ 0.09 mm: 5%

Whiteness Index: 76

Available (free) lime after slaking Ca(OH)_2 50-55%

Packing: 55 lbs (25 kg) bags

Density (volumeric weight) 31.2 lbs/ft³ 500 gr/litre

Surface Cover: 362 sqft²/oz (cm² per gram: 11000)

Expansion: <3/64" (1mm)

Residue of quick lime after slaking: <1%

Shelf Life: 8-12 months kept sealed and dry

MORTARS Compressive Strength - PSI (N/mm ²)					Elasticity Moduli 10 ³ psi (Mpa)		
Mixing Ratio	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	490 (3.4)	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 ³ (1m ³) of mortar							
lbs +/-10% (kg +/- 10%)							
		472 (280)	378 (224)	283 (168)			

Mixing: Can be mixed in cement mixers.

Application by Spray Gun: possible

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 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 (3 -4mm) down to #200 (75 microns)). See also "General Guidelines – Sand for NHL mortars"

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

A. Scratch Coat 1/8"-3/16" (3-5 mm) 3 volumes of NHL 2 : 5 volumes sand

This coat is applied by casting on to a still damp but not oversaturated 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 sand*

Can be applied in 2 passes, of a minimum 3/8" (1 cm). Second pass only after first is reasonable dry.

C. Finish Coat 3/16" (5 mm) 1 volume of NHL 2 : 2.5 volumes sand

The ratio / thickness may vary in accordance with the desired finish and the sand used. In smooth floated finishes if very fine sands possibly 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.