

NHL 5

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)

Residue @ 0.09 mm: 7%

Whiteness index: 67

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

Packing: 66 lbs. (30kg) Bags

Density (volumetric weight) : typical: 43.7 lb/ft³ (700 gr. / litre)

Surface cover: 244ft² /oz (cm² per gram: 8000)

Expansion : < 3/64" (1mm)

Residue of quick lime after slaking: < 1%

Shelf life: 8-12 months kept sealed and dry

MORTARS MIX RATIO	Compressive strength - PSI(N/mm ²) EN459*	Elasticity Moduli 10 ³ psi (Mpa)		
		1 : 2	1:2.5	1 : 3
7 DAYS	284(1.96)	245(1.00)	128(0.88)	
28 DAYS	725(5*)	319(2.20)	290(2.00)	217(1.50)
6 MONTHS	1060(7.31)	857(5.91)	770(5.31)	519(3.68)
12 MONTHS	1346(9.28)	1282(8.84)	942(6.50)	684(4.91)
24 MONTHS	1567(10.81)	1277(8.81)	1131(7.80)	817(5.86)
Consumption for 1 yard ³ (1m ³) of mortar lbs +/-10% (kg. +/- 10%)	590(350)	472(280)	393(233)	

* 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 40⁰F or above 85⁰F. 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.

Mortar Uses: MASONRY/POINTING/CAPPING/MASS WALL BEDDING/ FOUNDATION/SEA DEFENCE WALLS/CHIMNEY STACS/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 (3 or 4mm) down to #200 (75 microns)). See also "General Guidelines – Sand for NHL mortars".

PLASTERING

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

B. Brown Coat 5/8" – 3/4" (15-20mm) 1 volume of NHL 5 : 2 VOLUMES OF SAND * (1:2.5 max)

*At this dosage the consumption is approx 2.34 lbs (0.4 kg) of NHL 5 per square yard (m²) for each 1/8" (m) of thickness

C. Finish Coat 3/16" – 3/8" (5-10mm) USE NHL 3.5 OR NHL 2, see relevant sheets

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.