



NATURAL HYDRAULIC LIME

Available in 55lbs bags.

Natural Hydraulic Lime (NHL 2, NHL 3.5) from one of Europe's largest and oldest NHL producers.

REAL • GENUINE • AUTHENTIC

- LaFarge Natural Hydraulic Lime is made by burning a pure naturally occurring hydraulic limestone from their quarries in the French Alps, an area renowned for the quality of their stone. LaFarge NHL does not contain any Portland cement or additives of any kind.

NATURAL COLOR

- The raw limestone used to produce LaFarge NHL is of the highest quality, producing a lime with a whiteness index of over 92. This produces a binder which more closely matches aggregate color than any other hydraulic lime sold in

PROPERTIES

Pure and Natural

Conforms to ASTM C141/EN459

Gradual Strength Gain

High Vapor Permeability

Low Modulus of Elasticity

Proven Track Record

APPLICATIONS

MASONRY

Across the world LaFarge Natural Hydraulic Lime has been trusted to restore countless historic masonry structures. With one of the highest whiteness indexes on the market, LaFarge NHL can aid in the easy matching of mortar color.

PLASTERS

LaFarge NHL can be used in a variety of historic and modern plaster and rendering applications including historic plasterwork, plaster on hemp, straw bale, as well as providing a green alternative to modern work such as stucco on brick, lath, and CMU.

GROUTS/ SPECIALTY

The versatility and neutrality of Natural Hydraulic Limes allow for a wide variety of uses in many different restoration applications, from hydraulic lime injection and fill grouts to stone repair and lime painting.

For further information, contact: Freedom Cement, LLC, 24 East Brookfield Road, North Brookfield, MA 01535. 866-254-7277 info@freedomcement.com



NATURAL HYDRAULIC LIME

MIXING

Mixing per 55lb bag of LaFarge Natural Hydraulic Lime	LIME: SAND (by volume)	ESTIMATED COVERAGE (sq. ft.)**
REPOINTING & BEDDING OF STONE AND BRICK MASONRY (1/4"-3/4" mortar joints)	1 bag : 20 Gallons (Masonry Sand ASTM C144)	Will lay: 122 Brick Will repoint 270 sq ft.
REPOINTING & BEDDING OF ASHLAR STONE AND PRESSED BRICKWORK (<1/4" mortar joints)	1 bag : 10 Gallons (Fine Silica Only)	Will lay: 110 Brick Will repoint 270 sq ft.
REPOINTING & BEDDING OF RUBBLE STONE* (>3/4" mortar joints)	1 bag : 25 Gallons (Masonry Sand ASTM C144)	Will lay: 185 linear ft. Will repoint 270 sq ft.
PLASTER & STUCCO ON MASONRY SUBSTRATES* (1/4"- 3/8" plaster coats)	1 bag : 20 Gallons (Masonry Sand ASTM C144)	70 sq ft
GROUTS FOR FILL (Measured by Cubic Foot)	*CONTACT CB For a variety of grout recipes	Contact us for coverages
* When a coarser or denser mix is required (as in lath plaster work) substitute 5 gallons of mason sand for concrete sand.		** Grouts for fill should be determined by cubic foot.

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SURFACE PREPARATION

- Old mortar should be removed as specified in the contract documents and should be a uniform depth.
- Area to be repaired should be sound and free of all dust, dirt, grease, or foreign substances.
- MOISTEN WORK TO BE REPAIRED WITH WATER TO CONTROL SUCTION OF THE MASONRY UNITS.
- Do not apply to excessive hot or frozen masonry. Minimum temperature should be 40°F and rising.

MIXING

- Water dosing should be determined by the cement to aggregate ratio used. Old mortar should be removed as specified in the contract documents and should be a uniform depth.
- Mixing may be done by hand or mechanical mixer until the product is thoroughly combined.
- Working time will depend on temperature and humidity and material should be mixed and used before initial set has occurred.
- ONLY MIX AS MUCH MATERIAL AS CAN BE INSTALLED IN 90 MINUTES

CURING / AFTERCARE

- Protect work from sun, wind, drying rains, for 24-72 hours depending on absorption rates of the historic substrates. Damp mist as necessary to maintain optimal curing conditions
- Depending on mix design and atmospheric conditions additional periods of curing may be deemed necessary.