



TECHNICAL DATA SHEET

NHL-3,5

NATURAL HYDRAULIC LIME

DESCRIPTION:

Special lime mortar prepared for historical buildings, free of cement, providing breathability, high water vapor permeability.

APPLICATION AREAS:

Used for stone and brick walling works, repair/strengthening of historical masonry structures, repair of cracks in masonry domes and vaults, stone, brick and walling works of existing historical and vaults, stone, brick and walling works of existing at historical structures. And also used in the preparation of horasan mortar as a binder which is used in joint mixtures.

ADVANTAGES:

- * NHL-3,5 mortar prevents labor and time advantage, by it's easy prepartion and application features.
- * Provides non-deteriorative structure over time as it does not contain cement.
- * Provides high durability and adhesion to the construction.
- * Provides breathability and high water vapor permeability.
- * Provides production of mortars with different properties compatible with historical textures.

SURFACE PREPARATION:

Application surfaces should be clean and sound. Adhesion barrier materials (oil, dirt, dust etc.) on concrete surfaces should be cleaned, cement-mortar residues and loose parts should be scraped and cleaned. Absorbent surfaces should be damped but there should be no water puddles left.

PRODUCT PREPARATION:

25 kg NHL-3,5 mortar is added onto clean water by sprinkling, along with high quality plaster/wall repair mortar sand and other necessary fillers, at a ratio appropriate for the application. Blended for 3 min. with a low-speed mixer until no lumps remain.

APPLICATION METHODS:

- * Prepared NHL-3,5 mortar is applied smoothly and equally to the entire application surface by applying pressure with a trowel.
- * If necessary, a second layer can be applied after the first layer has hardened (at least 4 hours after application).
- * Ambient and surface temperature should be between +10°C and +30°C during the application.
- * Any additional material (such as lime, cement, gypsum etc.) should not be added in to prepared mortar.
- * Should not applied on surfaces where preparation has not done.
- * Surface should be protected from sun lights, air currents, sudden temperature changes and frost during and especially for 3 hours after the application.
- * Mortar should not be applied on frozen, melting or within 24 hours danger of frost surfaces.
- * Hardened mortar should not be used by mixing with water again.

SHELF LIFE:

Unopened original packages can be stored in dry (%60 R.H.) and cool (+5°C / +25°C) environments for up to 12 months.

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1783	
NUR KİREÇ SAN. TİC. VE PAZ. LTD. ŞTİ.	Güzel Cumhuriyet Mah. Çimento Bulv. No:23 PK: 01965 Yüreğir/Adana/Türkiye
	"NUR YAPI KİMYASALLARI"
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1783-CPR-638	TS EN 459-1 / 10.2015
	NHL-3,5 Natural Hydraulic Lime
Bulk Density	750 ± 100 g/L
Available Lime (Ca(OH) ₂)	≥ 25 %
SO ₃ Content	≤ 2 %
Free Water Content	≤ 2 %
Particle Size / Over 200 µm Sieve	≤ 2 %
Particle Size / Over 90 µm Sieve	≤ 15 %
Soundness / Reference Method	≤ 2 mm
Penetration	10 mm < P < 50 mm
Air Content	≤ 5 %
Compressive Strength	3,5 N/mm ² < BD < 10 N/mm ²
Setting Time	Start ≥ 1 hour Final ≤ 30 hour
PERFORMANCE DECLARATION NO	459-1 / PB-05.007
PDDD SYSTEM	SİSTEM 2+

H315: <i>It causes skin irritation.</i>	
H318: <i>It causes serious eye damage.</i>	
H335: <i>It may cause respiratory irritation.</i>	
P280: <i>Wear protective gloves/protective cloths/eye protection /face protection.</i>	
P305 <i>In case of contact with eyes, rinse carefully with water</i> P351 <i>a few minutes. If available and easy, remove contact lenses. Continue rinsing.</i>	