NHL 3.5
Main Data and Application Recommendations


Conforms to European Norms (EN 459)
Strength Factor: 3.5 (moderately hydraulic)
Residue @ 0.09 mm: 6.5%
Whiteness Index: 72
Available (free) lime after slaking Ca(OH)₂ 20-25%
Packing: 55 lbs (25 kg) bags
Density (volumetric weight) 40.6 lbs/ft³ 650 gr/litre
Surface Cover: 274 sqft²/oz (cm² per gram: 9000)
Expansion: <3/64" (1mm)
Residue of quick lime after slaking: <1%
Shelf Life: 8-12 months kept sealed and dry

<table>
<thead>
<tr>
<th>MORTARS Compressive Strength - PSI (N/mm²)</th>
<th>Elasticity Moduli 10³ psi (Mpa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixing Ratio</td>
<td>EN459</td>
</tr>
<tr>
<td>7 Days</td>
<td>109 (0.75)</td>
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<tr>
<td>28 Days</td>
<td>740 (5.1)</td>
</tr>
<tr>
<td>6 Months</td>
<td>1029 (7.1)</td>
</tr>
<tr>
<td>12 Months</td>
<td>1087 (7.5)</td>
</tr>
<tr>
<td>24 Months</td>
<td>1251 (8.63)</td>
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</tbody>
</table>

Consumption for 1 yard³ (1m³) of mortar
lbs +/-10% (kg +/- 10%) | 514 (305) | 411 (244) | 364 (216)

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 72 hours.

SUITABLE FOR LATH WORK / LIME CONCRETE / INJECTION / GROUTING: see relevant sheets
Reworking: possible within 12 hours

MORTAR USES: MASONRY/POINTING/ CAPPING/ BEDDING/ ASHLAR
Binder: sand ratio: from 1:1.5 to 1:3 depending on the support/background conditions, the size of the joint and the fineness of the sand. Always use well graded sands (#6 (3-4mm) down to #200 (75 microns)). See also "General Guidelines – Sand for NHL mortars"

PLASTERING
A. Scratch Coat 1/8"-3/16" (3-5 mm) 1 volume of NHL 3.5 : 1.5 volumes sand - Cast on
B. Brown Coat 5/8" - 3/4" (15-20 mm) 1 volume of NHL 3.5 : 2 volumes sand*
C. Finish Coat 3/16" - 3/8" (5-10 mm) 1 volume of NHL 3.5 : 2.5 volumes sand

With very fine sands possibly containing clays, the binder content may have to be reduced.
*At this ratio the consumption is approximately 2.05 lbs (0.35 kg) of NHL 3.5 per square yard (m² for each 1/8" (m) thickness.

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.