NHL 5
Main Data and Application Recommendations


Conforms to European Norms (EN 459)

Strength Factor: 5 (Eminently hydraulic) Density (volumetric weight) 43.7 lbs/ft³ 700 gr/litre
Residue @ 0.09 mm: 7% Surface Cover: 244 sqft²/oz (cm² per gram: 8000)
Whiteness Index: 67 Expansion: <3/64" (1mm)
Available (free) lime after slaking Ca(OH)₂ 15-20% Residue of quick lime after slaking: <1%
Packing: 66 lbs (30 kg) bags Shelf Life: 8-12 months kept sealed and dry

<table>
<thead>
<tr>
<th>MORTARS Compressive Strength - PSI (N/mm²)</th>
<th>Elasticity Moduli 10^3 psi (Mpa)</th>
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</thead>
<tbody>
<tr>
<td>Mixing Ratio</td>
<td>EN459</td>
</tr>
<tr>
<td>7 Days</td>
<td>284 (1.96)</td>
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<tr>
<td>28 Days</td>
<td>1040 (7.2)</td>
</tr>
<tr>
<td>6 Months</td>
<td>1060 (7.31)</td>
</tr>
<tr>
<td>12 Months</td>
<td>1346 (9.28)</td>
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<tr>
<td>24 Months</td>
<td>1567 (10.81)</td>
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</tbody>
</table>

Consumption for 1 yard³ (1m³) of mortar
lbs +/-10% (kg +/- 10%) 590 (350) 472 (280) 393 (233)

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 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 STACKS/NEW BUILD (Masonry)
Depending on the conditions of the support/background, the fineness of the sand and the size of the joints, binder to sand ratio values vary between 1 : 1.5 to 1 : 2.5
Choose 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 5 : 1.5 volumes sand - Cast on
B. Brown Coat 5/8" - 3/4" (15-20 mm) 1 volume of NHL 5 : 2 volumes sand* (1:2.5 max)
C. Finish Coat 3/16" - 3/8" (5-10 mm) 1 volume of NHL 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 2.34 lbs (0.4 kg) of NHL 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.