NHL 3.5

Main Data and Application Recommendations

Conforms to European Norms (EN 459) and French Norm NFP 15.311

Strength factor: 3.5 (Moderately hydraulic)            Density (volumetric weight): typical 40.6 lbs / ft³ (650gr / litre)
Residue @ 0.09 mm: 6.5%                                Surface cover: 274 sqft/oz (cm² per gram: 9000)
Whiteness index: 72                                     Expansion : < 3/64" (1mm)
Available (free) lime after slaking Ca(OH)₂: 20%- 25%   Residue of quick lime after slaking: < 1%
Packing: 55 lbs. (25kg) Bags                            Shelf Life: 8-12 months kept sealed and dry

MORTARS

<table>
<thead>
<tr>
<th>MIX RATIO</th>
<th>Compressive strength - PSI(N/mm²)</th>
<th>Elasticity Moduli 10^3 psi (Mpa)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EN459*</td>
<td>1 : 2</td>
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<tr>
<td>7 DAYS</td>
<td>109(0.75) 83 (0.57) 77 (0.53)</td>
<td>130(9010) 1051(9000) 117(8070)</td>
</tr>
<tr>
<td>28 DAYS</td>
<td>273(1.88) 213(1.47) 194(1.34)</td>
<td>221(15260) 195(13501) 180(12450)</td>
</tr>
<tr>
<td>6 MONTHS</td>
<td>774(5.34) 571(3.94)</td>
<td>216(15280) 197(13620) 190(13150)</td>
</tr>
<tr>
<td>12 MONTHS</td>
<td>855(5.90) 565(3.90)</td>
<td>235(17480) 199(13785) 198(13670)</td>
</tr>
<tr>
<td>24 MONTHS</td>
<td>870(6.00) 576(3.97)</td>
<td>253(17480) 199(13785) 198(13670)</td>
</tr>
</tbody>
</table>

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

* 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 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” (3-5mm)  1 volume of NHL 3.5 : 1.5 volumes of Sand – Cast on.
B. Brown Coat 5/8” – 3/4” (15-20mm)  1 volume of NHL 3.5 : 2 volumes of Sand*
C. Finish Coat 3/16” – 3/8” (5-10mm)  1 volume of NHL 3.5 : 2.5 volumes of Sand
   With very fine sands possibly containing clays the binder content may have to be reduced.
*At this dosage the consumption is approx. 2.05 lbs. (0.35kg). 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.