NHL 2

Main Data and Application Recommendations


Conforms to European Norms (EN 459)

Strength Factor: 2 (feeble hydraulic)  
Residue @ 0.09 mm: 5%  
Whiteness Index: 76  
Available (free) lime after slaking Ca(OH)₂ 50-55%  
Packing: 55 lbs (25 kg) bags

Density (volumetric weight): 31.2 lbs/ft³ 500 gr/litre  
Surface Cover: 362 sqft²/oz (cm² per gram): 11000  
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 10⁴ psi (Mpa)</th>
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</thead>
<tbody>
<tr>
<td>Mixing Ratio EN459</td>
<td>1 : 2</td>
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<tr>
<td>7 Days</td>
<td>90 (0.62)</td>
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<tr>
<td>28 Days</td>
<td>490 (3.4)</td>
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<tr>
<td>6 Months</td>
<td>557 (3.84)</td>
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<tr>
<td>12 Months</td>
<td>580 (4.00)</td>
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<tr>
<td>24 Months</td>
<td>616 (4.25)</td>
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</table>

Consumption for 1 yard³ (1m³) of mortar:

lbs +/-10% (kg +/- 10%) 472 (280) 378 (224) 283 (168)

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 96 hours.

SUITABLE FOR LATH WORK / INJECTION / GROUTING: see relevant sheets

Reworking: possible within 24 hours

MORTAR USES: MASONRY/POINTING 1 volume of NHL 2 : 2 volumes of sand

Choose well graded sands (#6 (3-4mm) down to #200 (75 microns)). See also “General Guidelines – Sand for NHL mortars”

PLASTERING on earth or friable supports, after preparation and cleaning, dampen with a 1 : 20 solution of NHL 2 / water, applied in 2 coats

A. Scratch Coat 1/8"-3/16" (3-5 mm) 3 volumes of NHL 2 : 5 volumes sand

This coat is applied by casting on to a still damp but not oversaturated support and is left as cast to provide good keying

B. Brown Coat 5/8"-3/4" (15-20 mm) 1 volume of NHL 2 : 2 volumes sand*

Can be applied in 2 passes, of a minimum 3/8" (1 cm). Second pass only after first is reasonable dry.

C. Finish Coat 3/16" (5 mm) 1 volume of NHL 2 : 2.5 volumes sand

The ratio / thickness may vary in accordance with the desired finish and the sand used. In smooth floated finishes if very fine sands possibly containing clay are used, the binder (NHL ) quantity will be reduced.

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.