



SAINT-ASTIER

LIME, LIFELONG EXCELLENCE

Saint-Astier® NHL 2

THE CHALK LIME



PURE NATURAL HYDRAULIC LIME

THE + BENEFITS

- Ideal for soft substrates
- Allows very fine finishes
- Adapted to traditional masonry
- Resistance to sulphates and salts

SUITABLE FOR

Lath work, grouting, rendering, pointing, plastering, ashlar. Before starting, always try on a small test area..

PACKAGING

25kg bag
40 bags per pallet (1T pallet)

PRODUCT COMPOSITION

100% pure Natural Hydraulic Lime NHL 2 by Saint-Astier®.

SHELF LIFE & GUARANTEE

One year from production date if protected in the original packaging and stored in dry conditions. Manufacturer Civil Responsibility.



www.stastier.co.uk



PERFORMANCE

| ESSENTIAL SPECIFICATION | PERFORMANCE REQUIRED BY THE STANDARD OF BS-EN 459 | CHALKLIME NHL 2 CHARACTERISTICS |
|--|---|---------------------------------|
| Natural Hydraulic Lime | NHL 2 | NHL 2 |
| Bulk density | 0.4 to 0.7kg/l | 0.5kg/l |
| Compressive strength 28 days | from 2 to 7 MPa | 3.5 MPa |
| SO ₃ | ≤ 2% | ≤ 2% |
| Free lime | ≥ 35% | > 55% |
| Stability | ≤ 2mm | ≤ 2mm |
| Initial setting time | More than 1 hour | 5 to 6 hours |
| Particle size 90µm | ≤ 15% | ≤ 15% |
| Particle size 200µm | ≤ 2% | ≤ 2% |
| Whiteness index | No requirements | 76 |
| Residue at 0.09mm | n/a | 5% |
| Quick lime residue after slaking | n/a | < 1% |
| Surface cover (cm ² per gram) | n/a | 11,000 |
| Expansion | n/a | < 1mm |

| MORTARS | COMPRESSIVE STRENGTH - N/mm ² | | | | ELASTICITY MODULI (MPa) | | |
|--|--|-------|---------|-------|-------------------------|---------|--------|
| | BS-EN 459 | 1 : 2 | 1 : 2.5 | 1 : 3 | 1 : 2 | 1 : 2.5 | 1 : 3 |
| Mix ratio | BS-EN 459 | 1 : 2 | 1 : 2.5 | 1 : 3 | 1 : 2 | 1 : 2.5 | 1 : 3 |
| 7 days | | 0.62 | 0.53 | 0.47 | n/a | n/a | n/a |
| 28 days | 2 | 1.48 | 1.36 | 1.25 | 9,025 | 9,800 | 9,000 |
| 6 months | | 3.84 | 3.00 | 2.88 | 12,600 | 12,030 | 11,900 |
| 12 months | | 4.00 | 2.90 | 2.90 | 12,515 | 12,030 | 11,900 |
| 24 months | | 4.25 | 3.00 | 2.75 | 13,375 | 12,000 | 11,750 |
| Consumption for 1m ³ of mortar (kg +/- 10%) | | 280 | 224 | 168 | | | |
| BS-EN 459 (mortar ratio 1 : 1 by volume with ISO 679 sand) | | | | | | | |

APPLICATION

Application by spray gun possible.

WORKING TEMPERATURE

Not below 8°C or above 30°C. Ensure high suction substrates are thoroughly dampened before application. Avoid rapid drying due to high temperatures and strong winds by covering and curing with a light water mist as necessary. Reseal open bags as soon as possible.

REWORKING

Possible within 24 hours.

HEALTH & SAFETY

Follow the instructions on the safety data sheet and wear the appropriate equipment (gloves, mask, safety shoes..).

FURTHER INFORMATION

Available on our website following this [link](#).