



SAINT-ASTIER

LIME, LIFELONG EXCELLENCE

Saint-Astier® NHL 2

THE CHALK LIME



*a unique
limestone
for unique
limes*

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.



Saint-Astier® NHL 2



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							
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](#).

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