



Manufacturer and supplier of traditional and environmentally-friendly building materials.



SAINT-ASTIER

LIME, LIFELONG EXCELLENCE

Saint-Astier NHL 3.5

THE VERSATILE LIME



*a unique
limestone
for unique
limes*

PURE NATURAL HYDRAULIC LIME

THE + BENEFITS

- Respects the colour of the local sands
- Versatile
- Resistant to sulphates and salts
- Compatible with plaster substrates

SUITABLE FOR

Lathwork, lime concrete, injection, grouting, rendering, pointing, capping, masonry, 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 3.5 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.



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PERFORMANCE

ESSENTIAL SPECIFICATION	PERFORMANCE REQUIRED BY THE STANDARD OF BS-EN 459	VERSATILELIME NHL 3.5 CHARACTERISTICS
Natural Hydraulic Lime	NHL 3.5	NHL 3.5
Bulk density	0.45 to 0.75kg/l	0.65kg/l
Compressive strength 7 days	-	3 MPa
Compressive strength 28 days	from 3.5 to 15 MPa	7 MPa
SO ₃	≤ 2%	≤ 2%
Free lime	≥ 25%	> 28%
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	72
Residue at 0.09mm	n/a	6.5%
Quick lime residue after slaking	n/a	< 1%
Surface cover (cm ² per gram)	n/a	9,000
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		0.75	0.57	0.53	n/a	n/a	n/a
28 days	3.5	1.88	1.47	1.34	9,010	9,000	8,070
6 months		7.1	5.34	3.94	15,260	13,501	13,150
12 months		7.5	5.90	3.90	15,280	13,620	13,150
24 months		8.63	6.00	3.97	17,480	13,785	13,670
Consumption for 1m ³ of mortar (kg +/- 10%)		305	244	216			
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 12 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](#).

June 2023