



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

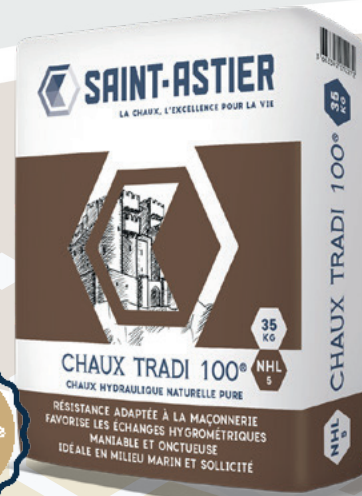


SAINT-ASTIER

LIME, LIFELONG EXCELLENCE

Saint-Astier® NHL 5

THE ROMAN LIME



PURE NATURAL HYDRAULIC LIME

THE + BENEFITS

- High mechanical performance
- Ideal in exposed areas
- Allows hygrometric exchange
- Resistance to sulphates and salts

SUITABLE FOR

Lime concrete, injection, grouting, rendering, masonry, pointing, capping, mass wall bedding, foundation, sea defence walls, chimney stacks, new build (masonry). 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 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.



Saint-Astier® NHL 5



PERFORMANCE

ESSENTIAL SPECIFICATION	PERFORMANCE REQUIRED BY THE STANDARD OF BS-EN 459	ROMANLIME NHL 5 CHARACTERISTICS
Natural Hydraulic Lime	NHL 5	NHL 5
Bulk density	0.5 to 0.8kg/l	0.7kg/l
Compressive strength 7 days	≥ 2	4 MPa
Compressive strength 28 days	from 3.5 to 15 MPa	9 MPa
SO ₃	≥ 2%	≥ 2%
Free lime	≥ 15%	> 20%
Stability	≤ 2mm	≤ 2mm
Initial setting time	More than 1 hour	2 to 3 hours
Particle size 90µm	≤ 15%	≤ 15%
Particle size 200µm	≤ 2%	≤ 2%
Whiteness index	No requirements	67
Residue at 0.09mm	n/a	7%
Quick lime residue after slaking	n/a	< 1%
Surface cover (cm ² per gram)	n/a	8,000
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		1.96	1.00	0.88	n/a	n/a	n/a
28 days	5	2.20	2	1.5	10,800	1,100	10,000
6 months		7.31	5.91	5.31	18,000	17,050	16,150
12 months		9.28	8.84	6.50	18,510	17,280	16,150
24 months		10.81	8.81	7.8	21,500	18,020	17,430
Consumption for 1m ³ of mortar (kg +/- 10%)		350	280	233			

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 8 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