



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 FOR TRADITIONAL MASONRY
- ◆ RESISTANT TO SULPHATES AND SALTS

SUITABLE FOR

- > Masonry, consolidation
- > Plastering, rendering, pointing
- > Hemp plasters
- > Decorative finishes, shelter coats
- > Adobe, cob

PACKAGING

- 25 kg 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. Close open bags as soon as possible. Manufacturer Civil Responsibility.

25
KG

NHL
2

BS-EN
459



RENDERING / PLASTERING

	PREPARATION OF THE SUPPORT	STIPPLE COAT	BASE COAT	TOP COAT	
		3 to 5 mm	10 to 20 mm	Scratched 5 to 7 mm	Smooth or floated 5 mm max
CLAY, STRAW-CLAY, RAMMED CLAY, ADOBE, CLAY CONSTRUCTION	Moisten with lime water 				
LIGHTWEIGHT BLOCKS					
ESTIMATED CONSUMPTION		1.7 kg/m ² for 5 mm	3 kg/m ² for 10 mm	1.5 kg/m ² for 5 to 7 mm	1 kg/m ² for 5 mm
WAITING TIME BETWEEN COATS		At least 2 Days		At least 15 Days	
MASONRY MADE OF SOFT STONE (CHALK, TUFF...) AND/OR WITH COARSE PLASTER					
ESTIMATED CONSUMPTION		2.5 kg/m ² for 5 mm	3.5 kg/m ² for 10 mm	1.5 kg/m ² for 5 to 7 mm	1 kg/m ² for 5 mm
WAITING TIME BETWEEN COATS	Fresh on fresh	At least 4 Days		At least 7 days	

BEDDING, POINTING, TILING & OTHER APPLICATIONS

SOFT MASONRY AND POINTING	<i>Hollow, solid and/or traditional bricks</i>	
	<i>Pointing: medium to soft natural stone, brick</i>	
CONSOLIDATION OF THE OLD MASONRY	<i>Injection</i>	
	<i>Grouting</i>	



ADDITIONAL INFORMATION

- > Smooth finish with a maximum thickness of 5 mm (only from Saint-Astier® NHL 2). Do not use plastic trowels for the finish.
- > Traditional renders tend to show shading after a rain shower. This phenomenon shows that the lime mortar has a moisture-regulating function.
- > Quantity of mixing water depends on the moisture of the sand and the dosage. **Generally 15 litres per 25 kg bag.**
- > Technical documentation for the implementation is available at: www.stastier.co.uk





PERFORMANCE

ESSENTIAL SPECIFICATION	BS-EN 459 PERFORMANCE STANDARD	SAINT-ASTIER® NHL 2 TYPICAL VALUES
Bulk density	0.4 to 0.7 kg/l	0.5 kg/l
Compressive strength 28 days	From 2 to 7 MPa	3.5 MPa
SO ₃	≤ 2 %	≤ 2 %
Free lime	≥ 35 %	> 55 %
Stability	≤ 2 mm	≤ 2 mm
Initial setting time	More than 1 hours	5 to 6 hours
Particle size 90µm	≤ 15 %	≤ 15 %
Particle size 200µm	≤ 2 %	≤ 2 %
Whiteness index	No requirements	76
Quicklime residue after slaking	n/a	< 1 %
Surface cover (cm ² per gram)	n/a	11.000
Expansion	n/a	< 1 mm

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

*BS- EN 459 (mortar ratio 1: 1 by volume with ISO 679 sand)

APPLICATION

Application with spray gun possible. Do not hesitate to contact our Technical Support.

WORKING TEMPERATURE

Not below 8°C or above 30°C. Dampen the substrates the day before and prior to application, allow the surface water to be reabsorbed. Avoid rapid drying due to high temperatures and/or strong winds by covering and curing with a light water mist as necessary. Protect wet mortars from frost for at least 10 days after application.

REWORKING

Possible within 24 hours.

HEALTH AND SAFETY

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

FURTHER INFORMATION

Available on our website stastier.co.uk