

Consumption

Quick Reference Charts

NHL products are bought by weight but mixed by volume. Their low density in comparison with other binders means that with the same weight one will produce up to 2.5 times the amount of mortar.

Binder Consumption for 1 m3 of mortar: volume/weight Comparison with sand density of 1500 kg/m3:

Binder	Density kg/m3	Kg of binder per m3 in different mixes	
		1:2	1:2.5
NHL 5	666	333	266
NHL 3.5	610	305	244
NHL 2	560	280	224
Lime Putty	1350	675	540
OPC / W. cement	1450	725	580

NHL Mortar Required Per 100 Square Metres of Brickwork with 10mm Joints

Brick sizes have been taken to be 215 mm X 103 mm X 65 mm.

Type of Wall	Actual Wall Thickness	Mortar Required		St Astier NHL Binder Required		
		No Frog m3	Single Frog m3	NHL5	NHL3.5	NHL2
Half brick	103 mm	1.38	2.26	364 /569	336 /551	309/ 506
Cavity	255 mm	2.76	4.52	728/1193	673/1102	618/1013
One brick solid	215 mm	3.54	5.38	934/1399	863 /1293	793/1187
One & half Brick solid	328 mm	5.69	8.34	1502/2201	1388 /2034	1274/1868

St Astier NHL Binders Required (in KG/Approx) per mm per M² of Render/Plaster Using Well Graded Sands 0.08-3mm

Mix ratio	NHL 2	NHL 3.5	NHL 5
1:1.5	0.37	0.41	0.47
1:2	0.28	0.31	0.35
1:2.5	0.22	0.24	0.28
1:3	0.19	0.20	0.23