

Natural Hydraulic Lime NHL 5-Z

Chemical Analysis (Dry Basis)		Typical % Mass	Specification % Mass
Calcium hydroxide	Ca(OH) ₂	64.51	
Calcium carbonate	CaCO ₃	2.93	
Silica	SiO ₂	9.55	
Calcium trialuminate	C3A	2.5	
Aluminium oxide	Al ₂ O ₃	3.13	
Ferric oxide	Fe ₂ O ₃	0.67	
Sulfate	SO ₃	0.16	3.0 max.
Available lime		42.59	3.0 min.

Physical Analysis		(Microns)	Passing %	
Particle Size	200		100.00	95.0 % min.
	180		99.99	
	90		99.65	85.0 % min.
7 Day strength test	N/mm ² (MPa)		2.0 - 3.0	≥ 2 MPa
28 Day strength test	N/mm ² (MPa)		5.0 - 7.0	≥ 5 and ≤ 15 MPa
60 Day strength test	N/mm ² (MPa)		5.5 - 7.5	
90 Day strength test	N/mm ² (MPa)		6.0 - 8.0	
Bulk Densities	Compacted kg/m ³		440	

Singleton Birch NHL 5-Z is a blend of Natural Hydraulic Lime and ground granulated blast furnace slag (GGBS).

This specification relates to product numbers: **PS173001 - Bulk or Bags**

Revision: 0 Date: 12-June-08

Storage Recommended minimum bulk silo capacity for quicklime/Aqualime® 60m³, Ultralime® 120m³. Further advice/information available on request.

Safety Refer to our Safety Data Sheet. [Sales; Mike Wye & Associates Ltd. www.mikewye.co.uk](http://www.mikewye.co.uk) sales@mikewye.co.uk 01409-281644

The information contained in this data is, to the best of our knowledge, true and accurate, but any typical values given are subject to variation as the raw material is naturally occurring. Full test method details available on request.