

Product Data

AS1672.1 Quicklime

Quicklime K6



Product Data Sheet

Physical Properties

Parameter	Units	Minimum ¹	Typical	Maximum ¹	AS3972 limit	Test Method
Slaking to AS4489						
Total Temperature Rise	°C	41	45	49		AS4489.3.1
Total Slaking Time	min	4	5	6		AS4489.3.1
Residue by Rotap ²						
2.36mm	%	0	0.2	0.6		
1.18mm	%	0	0.7	1.5		
0.6mm	%	0.9	3.7	6.5		
0.3mm	%	8	14	21		
0.15mm	%	40	50	60		
0.045mm	%	74	89	104		
Loose Bulk Density	kg/m ³	770	814	858		AS4489.10.1

Chemical Properties

Parameter	Units	Minimum ¹	Typical	Maximum ¹	AS1672 limit	Test Method
CaO	%	80.6	82.3	84.1		AS4489.5.1
SiO ₂	%	6.8	8.6	10.5		AS4489.5.1
Al ₂ O ₃	%	0.5	0.6	0.7		AS4489.5.1
Fe ₂ O ₃	%	0.2	0.3	0.4		AS4489.5.1
MgO	%	4.8	5.0	5.1		AS4489.5.1
SO ₃	%	1.0	1.1	1.2		AS4489.5.1
Loss on ignition	%	0.5	1.0	1.5		AS4489.7.1
CO ₂	%	0.14	0.48	0.82	≤ 5	AS4489.5.1
Available Lime	%	78	80	82	≥ 60	AS4489.6.1

¹ – Results for minimum and maximum values indicate 95% confidence interval limits. Individual sample results may fall outside the values stated above.

² – AS1672.1 requires ≤20% residue on 600µm sieve for slaking residue, CCL raw product before slaking is <10%.

