



Castle Cement Ltd T/A  
Hanson Cement, Hanson House, 14 Castle Hill,  
Maidenhead, Berkshire, SL6 4JJ  
Ribblesdale Works  
1333-CPR-00248



## Cement Test Report

Hanson Cement  
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Results of tests made at the laboratories of the company on samples of  
Ribblesdale PLC 52,5N, BS EN 197-1:2011 - CEM II/A-LL 52,5N

Dispatched from Ribblesdale during week ending 22-Aug-21 (Week No. 2021-33 )  
and during week ending 01-Aug-21 (Week No. 2021-30 ) for 28 day results

Date	Fineness Specific Surface (m <sup>2</sup> /kg)	Setting Time Initial (mins)	Soundness Expansion (mm)	Compressive Strength			Chloride %	Alkali	
				40mm x 40mm x 160mm Mortar prisms				Certified Average Alkali % Na <sub>2</sub> O eq	Standard Deviation
				2 Days (N/mm <sup>2</sup> )	7 Days (N/mm <sup>2</sup> )	28 Days (N/mm <sup>2</sup> )			
16-Aug-21	495	150	0	33.5	46.5		0.06	0.69	0.02
17-Aug-21	440	150	1	36.0	48.0		0.06	0.70	0.03
18-Aug-21	420	150	1	35.5	48.5		0.06	0.70	0.03
20-Aug-21	445	145	0	36.0	48.5		0.06	0.70	0.04
Average	450	150	1	35.5	48.0		0.06		0.03
26-Jul-21	420	165	1	32.5	48.0	60.0	0.06	0.68	0.02
27-Jul-21	420	165	0	33.5	48.0	61.5	0.06	0.68	0.02
28-Jul-21	420	145	0	33.5	47.5	57.0	0.06	0.69	0.02
30-Jul-21	475	145	0	35.0	48.0	59.0	0.06	0.69	0.02
Average	435	155	0	33.5	48.0	59.5	0.06		0.02

Product Declaration:

Declared Mean Alkali (%) = 0.75 (Max)

Declared Chloride content (%) = 0.07 (Max)

For and on behalf of  
HANSON CEMENT

Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM  
National Technical Manager  
Hanson Cement

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