



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 07-Aug-22 (Week No. 2022-31 )  
 and during week ending 17-Jul-22 (Week No. 2022-28 ) 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> )			
01-Aug-22	470	135	1	33.0	45.5		0.06	0.70	0.03
05-Aug-22	480	145	1	36.5	48.0		0.06	0.69	0.03
Average	475	140	1	35.0	47.0		0.06		0.03
11-Jul-22	445	140	1	34.0	44.5	51.5	0.06	0.70	0.03
15-Jul-22	420	155	1	34.0	46.0	55.0	0.06	0.70	0.03
Average	435	150	1	34.0	45.5	53.5	0.06		0.03

**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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