



Castle Cement Ltd T/A  
Hanson Cement, Hanson House, 14 Castle Hill,  
Maidenhead, Berkshire, SL6 4JJ  
Ribblesdale Works  
1333-CPR-00127



## Cement Test Report

Hanson Cement  
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Results of tests made at the laboratories of the company on samples of  
Ribblesdale PC, BS EN 197-1:2011 - CEM I 52,5N

Dispatched from Ribblesdale during week ending  
and during week ending

13-Nov-22 (Week No. 2022-45 )  
23-Oct-22 (Week No. 2022-42 ) 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> )			
07-Nov-22	430	150	0	31.5	47.0		0.07	0.67	0.01
08-Nov-22	415	145	0	34.5	48.5		0.07	0.67	0.01
09-Nov-22	410	140	1	35.0	49.5		0.07	0.67	0.01
10-Nov-22	415	145	1	36.5	49.0		0.06	0.67	0.01
11-Nov-22	395	155	1	35.0	50.5		0.06	0.67	0.01
Average	415	145	1	34.5	49.0		0.06		0.01
17-Oct-22	390	155	1	37.0	51.0	63.0	0.07	0.68	0.02
18-Oct-22	395	185	0	36.5	52.0	62.5	0.07	0.68	0.02
19-Oct-22	405	140	1	37.0	52.5	63.0	0.07	0.68	0.01
20-Oct-22	390	165	0	36.5	50.0	64.0	0.07	0.68	0.01
21-Oct-22	390	150	0	36.0	50.5	64.5	0.07	0.68	0.01
Average	395	160	0	36.5	51.0	63.5	0.07		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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