



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

08-Jan-23 (Week No. 2023-1 )  
18-Dec-22 (Week No. 2022-50 ) 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> )			
03-Jan-23	415	150	0	36.0	50.5		0.06	0.67	0.03
04-Jan-23	420	140	0	35.5	50.5		0.06	0.67	0.03
05-Jan-23	400	140	1	37.0	49.5		0.06	0.67	0.03
06-Jan-23	375	125	1	36.0	51.0		0.06	0.67	0.03
Average	405	140	1	36.0	50.5		0.06		0.03
12-Dec-22	410	140	1	36.0	50.0	63.0	0.06	0.67	0.04
13-Dec-22	410	140	1	36.5	50.0	62.5	0.06	0.67	0.03
14-Dec-22	415	150	0	36.5	53.0	64.5	0.06	0.67	0.04
15-Dec-22	410	140	0	36.0	50.0	62.0	0.06	0.67	0.04
16-Dec-22	425	145	1	38.0	51.0	59.5	0.06	0.67	0.03
Average	415	145	1	36.5	51.0	62.5	0.06		0.04

**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

Hanson Cement has used all reasonable care to ensure the  
information herein contained is accurate but to the extent  
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any inaccuracy, whether due to negligence or otherwise.