



Hanson UK  
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 Maidenhead, Berkshire, SL6 8QZ  
 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 20-Aug-23 (Week No. 2023-33 )  
 and during week ending 30-Jul-23 (Week No. 2023-30 ) 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> )			
14-Aug-23	455	155	0	34.0	46.5		0.06	0.62	0.05
18-Aug-23	460	165	0	32.5	48.0		0.06	0.62	0.05
Average	460	160	0	33.5	47.5		0.06		0.05
24-Jul-23	450	185	1	31.5	47.5	60.0	0.06	0.65	0.04
28-Jul-23	500	170	0	32.0	45.5	59.0	0.06	0.65	0.04
Average	475	180	1	32.0	46.5	59.5	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

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