



Heidelberg Materials UK  
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 Ribblesdale Works  
 1333-CPR-00127



## Cement Test Report

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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

6-Oct-24 (Week No. 2024-40 )  
 15-Sep-24 (Week No. 2024-37 ) 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> )			
30-Sep-24	400	135	1	37.0	50.0		0.07	0.64	0.04
1-Oct-24	400	140		36.5	51.5		0.07	0.64	0.04
2-Oct-24	395	140		35.0	48.0		0.06	0.64	0.04
3-Oct-24	385	140		36.5	50.5		0.06	0.64	0.04
4-Oct-24	385	140		33.5	49.5		0.06	0.64	0.04
Average	395	140		35.5	50.0		0.06		0.04
9-Sep-24	420	170	1	36.5	48.0	63.0	0.07	0.63	0.03
10-Sep-24	410	130		32.0	45.5	56.0	0.07	0.63	0.03
11-Sep-24	400	135		36.0	46.5	59.5	0.07	0.63	0.03
12-Sep-24	430	145		33.5	46.0	59.5	0.07	0.62	0.03
13-Sep-24	410	130		34.0	45.0	58.5	0.07	0.63	0.03
Average	415	140		34.5	46.0	59.5	0.07		0.03

**Product Declaration:**

Declared Mean Alkali (%) = 0.75 (Max)

Declared Chloride content (%) = 0.07 (Max)

For and on behalf of  
 HEIDELBERG MATERIALS UK

Dr Nina Cardinal, Dipl.Ing., CEng, MICT  
 National Technical Manager  
 Heidelberg Materials UK

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