



Heidelberg Materials UK  
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 Maidenhead, Berkshire, SL6 8QZ  
 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

12-Nov-23 (Week No. 2023-45 )  
 22-Oct-23 (Week No. 2023-42 ) 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> )			
06-Nov-23	395	140	0	34.5	48.0		0.06	0.70	0.02
07-Nov-23	410	140	1	31.0	45.5		0.06	0.70	0.02
08-Nov-23	400	130	2	33.0	46.0		0.06	0.69	0.03
09-Nov-23	400	135	1	33.0	46.0		0.06	0.69	0.03
10-Nov-23	370	155	1	32.0	46.0		0.06	0.69	0.03
Average	395	140	1	32.5	46.5		0.06		0.03
16-Oct-23	390	145	1	37.0	53.0	63.5	0.06	0.70	0.02
17-Oct-23	390	130	1	34.5	48.5	60.5	0.06	0.70	0.02
18-Oct-23	390	135	1	36.5	51.0	62.5	0.06	0.70	0.02
19-Oct-23	390	135	0	33.0	50.0	64.0	0.06	0.70	0.02
20-Oct-23	375	125	1	33.5	48.5	59.5	0.06	0.70	0.02
Average	385	135	1	35.0	50.0	62.0	0.06		0.02

**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, MiMMM  
 National Technical Manager  
 Heidelberg Materials UK

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