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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 24-Nov-24 (Week No. 2024-47 )  
 and during week ending 03-Nov-24 (Week No. 2024-44 ) 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> )			
18-Nov-24	410	135	1	35.0	48.5		0.06	0.66	0.03
19-Nov-24	395	135		35.0	50.0		0.06	0.66	0.03
20-Nov-24	385	145		31.0	45.0		0.06	0.65	0.03
21-Nov-24	405	130		35.5	49.5		0.06	0.65	0.03
22-Nov-24	415	135		35.0	48.0		0.06	0.66	0.03
Average	400	135		34.5	48.0		0.06		0.03
28-Oct-24	405	130	0	35.0	47.0	57.5	0.06	0.66	0.03
29-Oct-24	405	125		35.5	50.5	61.0	0.06	0.66	0.03
30-Oct-24	405	130		37.0	50.5	61.0	0.06	0.66	0.03
31-Oct-24	405	130		37.0	50.0	61.0	0.06	0.65	0.03
01-Nov-24	405	135		36.0	51.0	61.5	0.06	0.65	0.03
Average	405	130		36.0	50.0	60.5	0.06		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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