



Heidelberg Materials UK
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Maidenhead, Berkshire, SL6 8QZ
Ribblesdale Works
1333-CPR-00127



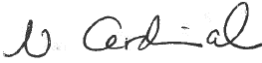
Cement Test Report

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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 15-Sep-24 (Week No. 2024-37)
and during week ending 25-Aug-24 (Week No. 2024-34) for 28 day results

Date	Fineness	Setting Time	Soundness	Compressive Strength			Chloride	Alkali	
	Specific Surface (m²/kg)	Initial (mins)	Expansion (mm)	40mm x 40mm x 160mm Mortar prisms			%	Certified Average Alkali % Na₂O eq	Standard Deviation
				2 Days (N/mm²)	7 Days (N/mm²)	28 Days (N/mm²)			
09-Sep-24	420	170	1	36.5	48.0		0.07	0.63	0.03
10-Sep-24	410	130		32.0	45.5		0.07	0.63	0.03
11-Sep-24	400	135		36.0	46.5		0.07	0.63	0.03
12-Sep-24	430	145		33.5	46.0		0.07	0.62	0.03
13-Sep-24	410	130		34.0	45.0		0.07	0.63	0.03
Average	415	140		34.5	46.0		0.07		0.03
19-Aug-24	390	145	1	32.0	45.0	57.5	0.07	0.67	0.04
20-Aug-24	395	140		33.5	46.0	59.5	0.07	0.67	0.04
21-Aug-24	385	140		33.0	45.0	57.0	0.07	0.67	0.04
22-Aug-24	405	145		33.0	45.5	59.0	0.07	0.66	0.04
23-Aug-24	390	145		33.0	46.0	58.5	0.07	0.66	0.04
Average	395	145		33.0	45.5	58.5	0.07		0.04

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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