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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 21-Apr-24 (Week No. 2024-16)
 and during week ending 31-Mar-24 (Week No. 2024-13) for 28 day results

Date	Fineness Specific Surface (m ² /kg)	Setting Time Initial (mins)	Soundness Expansion (mm)	Compressive Strength			Chloride %	Alkali	
				40mm x 40mm x 160mm Mortar prisms				Certified Average Alkali % Na ₂ O eq	Standard Deviation
				2 Days (N/mm ²)	7 Days (N/mm ²)	28 Days (N/mm ²)			
15-Apr-24	395	135	0	32.0	44.0		0.06	0.69	0.04
16-Apr-24	400	140	1	32.0	45.0		0.06	0.69	0.04
17-Apr-24	410	155	1	33.0	44.5		0.06	0.69	0.04
18-Apr-24	410	150	1	32.0	45.0		0.06	0.69	0.04
19-Apr-24	420	170	1	33.5	47.0		0.06	0.69	0.04
Average	405	150	1	32.5	45.0		0.06		0.04
25-Mar-24	395	145	1	31.5	44.0	56.5	0.06	0.68	0.03
26-Mar-24	395	135	1	33.0	44.5	56.5	0.06	0.67	0.03
27-Mar-24	400	135	1	32.0	43.5	55.0	0.06	0.67	0.03
28-Mar-24	405	135	1	33.0	46.0	55.5	0.06	0.67	0.03
Average	400	140	1	32.5	44.5	56.0	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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