

Castle Cement Ltd T/A
Hanson Cement, Hanson House, 14 Castle Hill,
Maidenhead, Berkshire, SL6 4JJ
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

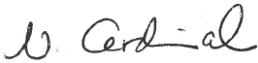
Dispatched from Ribblesdale during week ending 26-Mar-23 (Week No. 2023-12)
and during week ending 05-Mar-23 (Week No. 2023-9) for 28 day results

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)			
20-Mar-23	415	150	0	33.0	47.5		0.06	0.68	0.03
21-Mar-23	415	145	1	33.0	45.5		0.06	0.68	0.02
22-Mar-23	425	145	1	31.0	46.5		0.06	0.68	0.02
23-Mar-23	420	150	1	33.5	46.5		0.06	0.68	0.02
24-Mar-23	420	140	1	32.0	46.0		0.06	0.68	0.02
Average									
27-Feb-23	400	130	1	36.0	49.0	60.0	0.07	0.67	0.04
28-Feb-23	405	145	0	35.0	49.0	58.5	0.07	0.67	0.04
01-Mar-23	405	150	1	34.5	50.0	60.0	0.07	0.67	0.04
02-Mar-23	430	165	0	34.0	48.0	59.0	0.07	0.66	0.04
03-Mar-23	440	155	0	35.0	48.5	60.0	0.07	0.66	0.04
Average	415	150	1	35.0	49.0	59.5	0.07		0.04

Product Declaration:

Declared Mean Alkali (%) = 0.75 (Max)
Declared Chloride content (%) = 0.07 (Max)

For and on behalf of
HANSON CEMENT


Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM
National Technical Manager
Hanson Cement

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