



Castle Cement Ltd T/A
 Hanson Cement, Hanson House, 14 Castle Hill,
 Maidenhead, Berkshire, SL6 4JJ
 Ribblesdale Works
 1333-CPR-00248



Cement Test Report

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Results of tests made at the laboratories of the company on samples of
 Ribblesdale PLC 52,5N, BS EN 197-1:2011 - CEM II/A-LL 52,5N

Dispatched from Ribblesdale during week ending 06-Mar-22 (Week No. 2022-9)
 and during week ending 13-Feb-22 (Week No. 2022-6) 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)			
28-Feb-22	445	170	1	34.5	47.5		0.07	0.66	0.03
04-Mar-22	420	155	2	35.5	48.0		0.07	0.66	0.03
Average	435	165	1	35.0	48.0		0.07		0.03
07-Feb-22	460	170	1	33.5	46.5	54.5	0.07	0.67	0.04
11-Feb-22	465	185	1	34.0	46.5	57.0	0.07	0.66	0.04
Average	465	180	1	34.0	46.5	56.0	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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