



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 16-Oct-22 (Week No. 2022-41)
 and during week ending 25-Sep-22 (Week No. 2022-38) 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)			
10-Oct-22	420	170	0	37.5	51.5		0.06	0.65	0.04
11-Oct-22	420	170	1	35.5	51.5		0.06	0.64	0.04
12-Oct-22	425	170	0	36.5	52.5		0.06	0.64	0.04
13-Oct-22	425	170	0	36.0	51.0		0.06	0.64	0.04
Average	425	170	1	36.5	51.5		0.06		0.04
23-Sep-22	455	165	0	36.0	47.5	56.0	0.06	0.67	0.03
Average	455	165	0	36.0	47.5	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
 HANSON CEMENT

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

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