



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 04-Dec-22 (Week No. 2022-48)
and during week ending 13-Nov-22 (Week No. 2022-45) 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-Nov-22	450	185	0	33.5	47.0		0.05	0.64	0.05
29-Nov-22	435	190	0	32.5	47.0		0.05	0.64	0.05
30-Nov-22	445	180	0	31.5	45.5		0.05	0.64	0.04
01-Dec-22	430	180	1	32.0	44.5		0.05	0.65	0.04
Average	440	185	0	32.5	46.0		0.05		0.05
07-Nov-22	455	170	0	36.0	52.0	63.0	0.05	0.61	0.03
08-Nov-22	430	170	2	37.5	51.0	62.0	0.05	0.61	0.03
09-Nov-22	400	165	1	35.0	49.5	61.5	0.05	0.61	0.03
10-Nov-22	420	160	0	35.5	49.5	62.5	0.05	0.61	0.03
Average	425	165	1	36.0	50.5	62.5	0.05		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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