



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 13-Nov-22 (Week No. 2022-45)
and during week ending 23-Oct-22 (Week No. 2022-42) 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)			
07-Nov-22	455	170	0	36.0	52.0		0.05	0.61	0.03
08-Nov-22	430	170	2	37.5	51.0		0.05	0.61	0.03
09-Nov-22	400	165	1	35.0	49.5		0.05	0.61	0.03
10-Nov-22	420	160	0	35.5	49.5		0.05	0.61	0.03
Average	425	165	1	36.0	50.5		0.05		0.03
17-Oct-22	425	170	1	37.5	52.0	63.0	0.06	0.63	0.04
18-Oct-22	425	155	0	36.0	50.0	63.5	0.06	0.63	0.04
19-Oct-22	450	165	1	36.0	52.0	61.0	0.05	0.63	0.04
20-Oct-22	430	165	0	36.5	52.5	62.0	0.05	0.62	0.04
Average	435	165	1	36.5	51.5	62.5	0.06		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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