

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

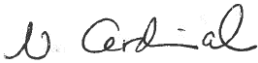
Dispatched from Ribblesdale during week ending 05-Mar-23 (Week No. 2023-9)
and during week ending 12-Feb-23 (Week No. 2023-6) for 28 day results

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)			
27-Feb-23	480	175	0	32.5	47.5		0.06	0.64	0.04
03-Mar-23	455	165	0	35.0	49.0		0.06	0.64	0.04
Average									
06-Feb-23	465	190	1	32.5	45.5	55.0	0.06	0.65	0.04
10-Feb-23	490	190	0	33.0	46.0	55.5	0.06	0.64	0.04
Average	480	190	1	33.0	46.0	55.5	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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