



Castle Cement Ltd T/A
Hanson Cement, Hanson House, 14 Castle Hill,
Maidenhead, Berkshire, SL6 4JJ
Padeswood Works
1333-CPR-00121



Cement Test Report

Hanson Cement
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Results of tests made at the laboratories of the company on samples of
Padeswood PC, BS EN 197-1:2011 - CEM I 52,5N

Dispatched from Padeswood during week ending 05-Feb-23 (Week No. 2023-5)
and during week ending 15-Jan-23 (Week No. 2023-2) 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)			
30-Jan-23	470	175	0	31.0	50.5		0.02	0.53	0.03
31-Jan-23	465	175	1	30.0	48.5		0.02	0.53	0.03
02-Feb-23	450	170	1	30.0	48.0		0.03	0.53	0.03
03-Feb-23	445	190	1	28.5	47.0		0.03	0.53	0.03
Average	460	180	1	30.0	48.5		0.02		0.03
09-Jan-23	440	175	0	28.5	48.5	61.5	0.03	0.53	0.04
10-Jan-23	455	175	0	30.0	47.0	60.0	0.03	0.53	0.04
12-Jan-23	435	165	0	31.5	51.0	61.0	0.03	0.53	0.03
13-Jan-23	450	170	0	30.5	45.0	57.5	0.03	0.53	0.03
Average	445	170	0	30.0	48.0	60.0	0.03		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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