

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
Ketton
Stamford
PE9 3SX
Tel: 0330 123 2074
Fax: 01780 727008

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 26-Mar-23 (Week No. 2023-12)
and during week ending 05-Mar-23 (Week No. 2023-9) 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)			
20-Mar-23	440	165	1	30.0	46.5		0.03	0.55	0.04
21-Mar-23	415	185	0	24.5	42.5		0.03	0.54	0.05
23-Mar-23	440	190	0	27.0	44.5		0.04	0.54	0.05
24-Mar-23	440	185	0	30.0	47.0		0.03	0.54	0.05
Average									
27-Feb-23	475	170	1	30.0	47.5	57.5	0.03	0.54	0.03
28-Feb-23	450	160	1	28.5	48.5	58.0	0.03	0.54	0.03
02-Mar-23	460	180	1	28.0	46.0	56.5	0.03	0.55	0.03
03-Mar-23	435	165	1	29.0	45.5	59.5	0.03	0.55	0.03
Average	455	170	1	29.0	47.0	58.0	0.03		0.03

Product Declaration:

Declared Mean Alkali (%) = 0.75 (Max)
Declared Chloride content (%) = 0.07 (Max)

For and on behalf of
HANSON CEMENT

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

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