



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  
 and during week ending

22-Aug-21 (Week No. 2021-33 )

01-Aug-21 (Week No. 2021-30 ) for 28 day results

Date	Fineness Specific Surface (m <sup>2</sup> /kg)	Setting Time Initial (mins)	Soundness Expansion (mm)	Compressive Strength			Chloride %	Alkali	
				40mm x 40mm x 160mm Mortar prisms				Certified Average Alkali % Na <sub>2</sub> O eq	Standard Deviation
				2 Days (N/mm <sup>2</sup> )	7 Days (N/mm <sup>2</sup> )	28 Days (N/mm <sup>2</sup> )			
16-Aug-21	445	170	1	30.5	48.0		0.06	0.59	0.03
17-Aug-21	460	170	1	32.0	48.5		0.06	0.59	0.03
19-Aug-21	440	185	1	29.0	46.5		0.06	0.59	0.03
20-Aug-21	420	165	1	29.5	47.0		0.06	0.59	0.03
Average	440	175	1	30.5	47.5		0.06		0.03
26-Jul-21	430	175	1	28.5	44.0	56.0	0.07	0.60	0.03
27-Jul-21	455	150	1	33.5	49.5	60.5	0.07	0.59	0.03
29-Jul-21	415	170	1	31.0	47.0	57.5	0.06	0.59	0.03
30-Jul-21	430	175	0	31.0	47.0	58.5	0.06	0.59	0.03
Average	435	170	1	31.0	47.0	58.0	0.06		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

Hanson Cement has used all reasonable care to ensure the  
 information herein contained is accurate but to the extent  
 permitted in law, no liability can be accepted by Hanson  
 Cement for any loss, damage, cost or expense arising from  
 any inaccuracy, whether due to negligence or otherwise.