



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  
 and during week ending

07-Aug-22 (Week No. 2022-31 )

17-Jul-22 (Week No. 2022-28 ) 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> )			
01-Aug-22	445	160	1	34.5	51.0		0.04	0.60	0.02
02-Aug-22	465	160	1	35.0	50.0		0.04	0.60	0.02
04-Aug-22	435	165	1	32.0	48.5		0.04	0.60	0.02
05-Aug-22	420	185	0	32.0	49.5		0.04	0.60	0.02
Average	440	170	1	33.5	50.0		0.04		0.02
11-Jul-22	435	165	1	34.5	50.5	61.0	0.04	0.59	0.03
12-Jul-22	440	170	0	32.5	48.5	56.0	0.04	0.59	0.02
14-Jul-22	415	160	0	30.5	46.0	56.5	0.04	0.59	0.02
15-Jul-22	425	160	1	32.5	47.0	59.0	0.04	0.59	0.02
Average	430	165	1	32.5	48.0	58.0	0.04		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

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