



Hanson UK  
Second Floor, Arena Court, Crown Lane  
Maidenhead, Berkshire, SL6 8QZ  
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

01-Oct-23 (Week No. 2023-39 )  
10-Sep-23 (Week No. 2023-36 ) for 28 day results

| Date      | Fineness                                 | Setting Time      | Soundness         | Compressive Strength              |                                |                                 | Chloride | Alkali                                                |                       |
|-----------|------------------------------------------|-------------------|-------------------|-----------------------------------|--------------------------------|---------------------------------|----------|-------------------------------------------------------|-----------------------|
|           | Specific Surface<br>(m <sup>2</sup> /kg) | Initial<br>(mins) | Expansion<br>(mm) | 40mm x 40mm x 160mm Mortar prisms |                                |                                 | %        | Certified<br>Average Alkali<br>% Na <sub>2</sub> O eq | Standard<br>Deviation |
|           |                                          |                   |                   | 2 Days<br>(N/mm <sup>2</sup> )    | 7 Days<br>(N/mm <sup>2</sup> ) | 28 Days<br>(N/mm <sup>2</sup> ) |          |                                                       |                       |
| 25-Sep-23 | 445                                      | 190               | 1                 | 30.0                              | 49.0                           |                                 | 0.04     | 0.61                                                  | 0.05                  |
| 26-Sep-23 | 415                                      | 170               | 0                 | 27.0                              | 45.5                           |                                 | 0.04     | 0.61                                                  | 0.05                  |
| 28-Sep-23 | 430                                      | 175               | 1                 | 32.5                              | 50.5                           |                                 | 0.04     | 0.61                                                  | 0.05                  |
| 29-Sep-23 | 435                                      | 190               | 1                 | 32.5                              | 51.0                           |                                 | 0.04     | 0.61                                                  | 0.05                  |
| Average   | 430                                      | 180               | 1                 | 30.5                              | 49.0                           |                                 | 0.04     |                                                       | 0.05                  |
| 04-Sep-23 | 425                                      | 170               | 1                 | 31.0                              | 47.5                           | 59.0                            | 0.04     | 0.58                                                  | 0.03                  |
| 05-Sep-23 | 440                                      | 170               | 1                 | 31.5                              | 48.0                           | 58.5                            | 0.04     | 0.58                                                  | 0.03                  |
| 07-Sep-23 | 430                                      | 170               | 1                 | 30.5                              | 47.5                           | 57.5                            | 0.04     | 0.58                                                  | 0.03                  |
| 08-Sep-23 | 435                                      | 155               | 0                 | 33.0                              | 50.0                           | 59.0                            | 0.04     | 0.58                                                  | 0.03                  |
| Average   | 435                                      | 165               | 1                 | 31.5                              | 48.5                           | 58.5                            | 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

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.