



Heidelberg Materials UK  
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Maidenhead, Berkshire, SL6 8QZ  
Padeswood Works  
1333-CPR-00121



## Cement Test Report

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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

20-Jul-25 (Week No. 2025-28 )  
29-Jun-25 (Week No. 2025-25 ) 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> ) |          |                                                       |                       |
| 14-Jul-25 | 425                                      | 160               | 0                 | 28.0                              | 47.0                           |                                 | 0.03     | 0.47                                                  | 0.03                  |
| 15-Jul-25 | 455                                      | 165               |                   | 28.0                              | 46.5                           |                                 | 0.03     | 0.47                                                  | 0.03                  |
| 17-Jul-25 | 415                                      | 180               |                   | 28.5                              | 49.0                           |                                 | 0.03     | 0.47                                                  | 0.03                  |
| 18-Jul-25 | 430                                      | 170               |                   | 29.0                              | 48.5                           |                                 | 0.03     | 0.47                                                  | 0.03                  |
| Average   | 430                                      | 170               |                   | 28.5                              | 48.0                           |                                 | 0.03     |                                                       | 0.03                  |
| 23-Jun-25 | 430                                      | 175               | 2                 | 30.5                              | 48.0                           | 61.0                            | 0.04     | 0.49                                                  | 0.04                  |
| 24-Jun-25 | 405                                      | 165               |                   | 30.5                              | 48.5                           | 60.5                            | 0.04     | 0.49                                                  | 0.04                  |
| 26-Jun-25 | 405                                      | 150               |                   | 29.5                              | 50.0                           | 60.5                            | 0.04     | 0.49                                                  | 0.04                  |
| 27-Jun-25 | 400                                      | 170               |                   | 25.5                              | 45.5                           | 59.5                            | 0.04     | 0.48                                                  | 0.04                  |
| Average   | 410                                      | 165               | 1                 | 29.0                              | 48.0                           | 60.5                            | 0.04     |                                                       | 0.04                  |

### Product Declaration:

Declared Mean Alkali (%) = 0.75 (Max)

Declared Chloride content (%) = 0.07 (Max)

For and on behalf of  
HEIDELBERG MATERIALS UK

  
Dr Nina Cardinal, Dipl.Ing., CEng, MICT  
Technical Strategy Director  
Heidelberg Materials UK

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