



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

29-Oct-23 (Week No. 2023-43 )  
08-Oct-23 (Week No. 2023-40 ) 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> ) |          |                                                       |                       |
| 23-Oct-23 | 425                                      | 140               | 1                 | 29.5                              | 46.0                           |                                 | 0.04     | 0.62                                                  | 0.05                  |
| 24-Oct-23 | 435                                      | 160               | 0                 | 32.0                              | 48.5                           |                                 | 0.04     | 0.62                                                  | 0.05                  |
| 26-Oct-23 | 425                                      | 170               | 1                 | 31.0                              | 49.0                           |                                 | 0.04     | 0.62                                                  | 0.05                  |
| 27-Oct-23 | 450                                      | 180               | 0                 | 30.5                              | 48.0                           |                                 | 0.04     | 0.62                                                  | 0.04                  |
| Average   | 435                                      | 165               | 1                 | 31.0                              | 48.0                           |                                 | 0.04     |                                                       | 0.05                  |
| 02-Oct-23 | 425                                      | 175               | 2                 | 29.5                              | 48.5                           | 59.5                            | 0.04     | 0.61                                                  | 0.05                  |
| 03-Oct-23 | 425                                      | 170               | 1                 | 29.5                              | 48.0                           | 59.0                            | 0.04     | 0.61                                                  | 0.05                  |
| 05-Oct-23 | 430                                      | 170               | 1                 | 28.5                              | 47.0                           | 59.0                            | 0.04     | 0.61                                                  | 0.05                  |
| 06-Oct-23 | 420                                      | 165               | 0                 | 28.5                              | 46.0                           | 57.5                            | 0.04     | 0.61                                                  | 0.05                  |
| Average   | 425                                      | 170               | 1                 | 29.0                              | 47.5                           | 59.0                            | 0.04     |                                                       | 0.05                  |

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, MiMMM  
National Technical Manager  
Heidelberg Materials UK

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