



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

17-Aug-25 (Week No. 2025-32 )  
27-Jul-25 (Week No. 2025-29 ) for 28 day results

| Date      | Fineness                    | Setting Time      | Soundness         | Compressive Strength              |                   |                    | Chloride | Alkali                                   |                       |
|-----------|-----------------------------|-------------------|-------------------|-----------------------------------|-------------------|--------------------|----------|------------------------------------------|-----------------------|
|           | Specific Surface<br>(m²/kg) | Initial<br>(mins) | Expansion<br>(mm) | 40mm x 40mm x 160mm Mortar prisms |                   |                    | %        | Certified<br>Average Alkali<br>% Na₂O eq | Standard<br>Deviation |
|           |                             |                   |                   | 2 Days<br>(N/mm²)                 | 7 Days<br>(N/mm²) | 28 Days<br>(N/mm²) |          |                                          |                       |
| 11-Aug-25 | 385                         | 160               | 0                 | 26.5                              | 46.0              |                    | 0.04     | 0.52                                     | 0.05                  |
| 12-Aug-25 | 390                         |                   |                   | 29.0                              | 49.0              |                    | 0.04     | 0.52                                     | 0.05                  |
| 14-Aug-25 | 380                         | 150               |                   | 30.0                              | 47.0              |                    | 0.04     | 0.52                                     | 0.05                  |
| 15-Aug-25 | 370                         |                   |                   | 27.0                              | 48.5              |                    | 0.04     | 0.52                                     | 0.05                  |
| Average   | 380                         |                   |                   | 28.0                              | 47.5              |                    | 0.04     |                                          | 0.05                  |
| 21-Jul-25 | 425                         | 155               | 0                 | 29.5                              | 48.0              | 58.5               | 0.03     | 0.47                                     | 0.03                  |
| 22-Jul-25 | 420                         | 155               |                   | 30.0                              | 47.0              | 59.5               | 0.03     | 0.47                                     | 0.04                  |
| 24-Jul-25 | 415                         | 160               |                   | 31.5                              | 51.0              | 60.0               | 0.03     | 0.48                                     | 0.03                  |
| 25-Jul-25 | 425                         | 150               |                   | 31.0                              | 50.0              | 58.0               | 0.03     | 0.48                                     | 0.04                  |
| Average   | 420                         | 155               |                   | 30.5                              | 49.0              | 59.0               | 0.03     |                                          | 0.03                  |

### 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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