

## Chemical Report

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Composition of Padeswood PC, EN 197-1:2011, CEM I 52,5N

Dispatched from Padeswood

Chemical analysis for week ending 16-Aug-26

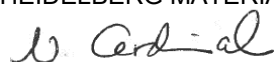
Week No. 2026-32

| Compound                       | %      |
|--------------------------------|--------|
| SiO <sub>2</sub>               | 20.32  |
| Al <sub>2</sub> O <sub>3</sub> | 5.27   |
| Fe <sub>2</sub> O <sub>3</sub> | 3.14   |
| CaO                            | 64.23  |
| MgO                            | 1.04   |
| SO <sub>3</sub>                | 3.36   |
| K <sub>2</sub> O               | 0.50   |
| Na <sub>2</sub> O              | 0.21   |
| Cl                             | 0.03   |
| Loss on Ignition               | 3.08   |
|                                |        |
| Not Detected                   | -1.16  |
| Total                          | 101.16 |

|                                                          | %     |
|----------------------------------------------------------|-------|
| Insol Residue                                            | 1.57  |
| Free CaO                                                 | 1.3   |
| Certified<br>Average Alkali<br>Na <sub>2</sub> O (Equiv) | 0.55  |
| LSF (x 100)                                              | 94.86 |

| Clinker compounds by<br>Rietveld analysis |      |
|-------------------------------------------|------|
| C <sub>3</sub> S                          | 56.8 |
| C <sub>2</sub> S                          | 13.6 |
| C <sub>3</sub> A                          | 8.1  |
| C <sub>4</sub> AF                         | 7.2  |

For and on behalf of  
HEIDELBERG MATERIALS UK



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

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