

## Chemical Report

Heidelberg Materials

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

Dispatched from Padeswood

Chemical analysis for week ending 07-Dec-25

Week No. 2025-48

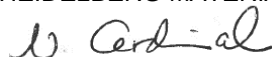
| Compound                       | %      |
|--------------------------------|--------|
| SiO <sub>2</sub>               | 20.64  |
| Al <sub>2</sub> O <sub>3</sub> | 5.18   |
| Fe <sub>2</sub> O <sub>3</sub> | 2.99   |
| CaO                            | 64.02  |
| MgO                            | 1.12   |
| SO <sub>3</sub>                | 3.19   |
| K <sub>2</sub> O               | 0.50   |
| Na <sub>2</sub> O              | 0.22   |
| Cl                             | 0.07   |
| Loss on Ignition               | 2.87   |
|                                |        |
| Not Detected                   | -0.79  |
| Total                          | 100.79 |

|                                                          | %     |
|----------------------------------------------------------|-------|
| Insol Residue                                            | 1.08  |
| Free CaO                                                 | 0.4   |
| Certified<br>Average Alkali<br>Na <sub>2</sub> O (Equiv) | 0.54  |
| LSF (x 100)                                              | 93.71 |

| Clinker compounds by<br>Rietveld analysis |      |
|-------------------------------------------|------|
| C <sub>3</sub> S                          | 53.7 |
| C <sub>2</sub> S                          | 15.8 |
| C <sub>3</sub> A                          | 8.3  |
| C <sub>4</sub> AF                         | 6.9  |

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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