

## Chemical Report

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

Dispatched from Ribblesdale

Chemical analysis for week ending 12-Jul-26

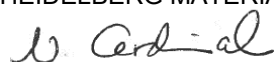
Week No. 2026-27

| Compound                       | %     |
|--------------------------------|-------|
| SiO <sub>2</sub>               | 19.47 |
| Al <sub>2</sub> O <sub>3</sub> | 4.71  |
| Fe <sub>2</sub> O <sub>3</sub> | 2.56  |
| CaO                            | 63.23 |
| MgO                            | 2.32  |
| SO <sub>3</sub>                | 3.48  |
| K <sub>2</sub> O               | 0.66  |
| Na <sub>2</sub> O              | 0.27  |
| Cl                             | 0.07  |
| Loss on Ignition               | 2.94  |
|                                |       |
| Not Detected                   | 0.29  |
| Total                          | 99.71 |

|                                                          | %     |
|----------------------------------------------------------|-------|
| Insol Residue                                            | 0.73  |
| Free CaO                                                 | 1.1   |
| Certified<br>Average Alkali<br>Na <sub>2</sub> O (Equiv) | 0.68  |
| LSF (x 100)                                              | 98.31 |

| Clinker compounds by<br>Rietveld analysis |      |
|-------------------------------------------|------|
| C <sub>3</sub> S                          | 63.5 |
| C <sub>2</sub> S                          | 10.7 |
| C <sub>3</sub> A                          | 6.3  |
| C <sub>4</sub> AF                         | 7.3  |

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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