

## Chemical Report

Heidelberg Materials

UK

Ketton

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Composition of Ketton PLC 52,5N, EN 197-1:2011, CEM II/A-LL 52,5N

Dispatched from Ketton

Chemical analysis for week ending 17-Aug-25

Week No. 2025-32

| Compound                       | %     |
|--------------------------------|-------|
| SiO <sub>2</sub>               | 18.48 |
| Al <sub>2</sub> O <sub>3</sub> | 4.92  |
| Fe <sub>2</sub> O <sub>3</sub> | 2.92  |
| CaO                            | 65.27 |
| MgO                            | 1.09  |
| SO <sub>3</sub>                | 3.08  |
| K <sub>2</sub> O               | 0.45  |
| Na <sub>2</sub> O              | 0.23  |
| Cl                             | 0.03  |
| Loss on Ignition               | n/a   |
| Not Detected                   | 3.54  |
| Total                          | 96.46 |

|                                                          | %      |
|----------------------------------------------------------|--------|
| Insol Residue                                            | n/a    |
| Free CaO                                                 | 0.5    |
| Certified<br>Average Alkali<br>Na <sub>2</sub> O (Equiv) | 0.67   |
| LSF (x 100)                                              | 106.01 |

| Clinker compounds by<br>Rietveld analysis |      |
|-------------------------------------------|------|
| C <sub>3</sub> S                          | 56.3 |
| C <sub>2</sub> S                          | 11.4 |
| C <sub>3</sub> A                          | 9.0  |
| C <sub>4</sub> AF                         | 6.4  |

For and on behalf of  
HEIDELBERG MATERIALS UK



Dr Nina Cardinal, Dipl.Ing., CEng, MICT

Technical Strategy Director

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