

## Chemical Report

Heidelberg Materials

UK

Ketton

Stamford

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

Dispatched from Ketton

Chemical analysis for week ending 03-Mar-24

Week No. 2024-9

| Compound                       | %     |
|--------------------------------|-------|
| SiO <sub>2</sub>               | 19.39 |
| Al <sub>2</sub> O <sub>3</sub> | 4.86  |
| Fe <sub>2</sub> O <sub>3</sub> | 3.00  |
| CaO                            | 63.75 |
| MgO                            | 1.01  |
| SO <sub>3</sub>                | 3.24  |
| K <sub>2</sub> O               | 0.63  |
| Na <sub>2</sub> O              | 0.26  |
| Cl                             | 0.05  |
| Loss on Ignition               | 3.62  |
|                                |       |
| Not Detected                   | 0.21  |
| Total                          | 99.79 |

|  | %     |
|--|-------|
| Insol Residue  | 1.43  |
| Free CaO   | 1.2   |
| Certified<br>Average Alkali<br>Na <sub>2</sub> O (Equiv) | 0.71  |
| LSF (x 100)  | 99.08 |

| Clinker compounds by<br>Rietveld analysis |      |
|---|------|
| C <sub>3</sub> S                          | 57.6 |
| C <sub>2</sub> S                          | 15.2 |
| C <sub>3</sub> A                          | 8.7  |
| C <sub>4</sub> AF                         | 7.0  |

For and on behalf of  
HEIDELBERG MATERIALS UK



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National Technical Manager

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