



Heidelberg Materials UK  
Second Floor, Arena Court, Crown Lane  
Maidenhead, Berkshire, SL6 8QZ  
Ketton Works  
1333-CPR-00254



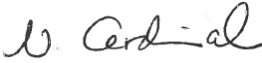
# Cement Test Report

Heidelberg Materials UK  
Ketton  
Stamford  
PE9 3SX  
Tel: 0330 123 2074  
Fax: 01780 727008

Results of tests made at the laboratories of the company on samples of  
Ketton PLC 52,5N, BS EN 197-1:2011 - CEM II/A-LL 52,5N  
Dispatched from Ketton during week ending 22-Sep-24 (Week No. 2024-38 )  
and during week ending 01-Sep-24 (Week No. 2024-35 ) for 28 day results

| Date      | Fineness                                 | Setting Time      | Soundness         | Compressive Strength              |                                |                                 | Chloride | Alkali                                                |                       |
|-----------|------------------------------------------|-------------------|-------------------|-----------------------------------|--------------------------------|---------------------------------|----------|-------------------------------------------------------|-----------------------|
|           | Specific Surface<br>(m <sup>2</sup> /kg) | Initial<br>(mins) | Expansion<br>(mm) | 40mm x 40mm x 160mm Mortar prisms |                                |                                 | %        | Certified<br>Average Alkali<br>% Na <sub>2</sub> O eq | Standard<br>Deviation |
|           |                                          |                   |                   | 2 Days<br>(N/mm <sup>2</sup> )    | 7 Days<br>(N/mm <sup>2</sup> ) | 28 Days<br>(N/mm <sup>2</sup> ) |          |                                                       |                       |
| 16-Sep-24 | 510                                      | 195               | 1                 | 37.0                              | 54.0                           |                                 | 0.05     | 0.62                                                  | 0.03                  |
| 18-Sep-24 | 510                                      | 200               |                   | 34.5                              | 51.0                           |                                 | 0.05     | 0.62                                                  | 0.03                  |
| Average   | 510                                      | 200               | 1                 | 36.0                              | 52.5                           |                                 | 0.05     |                                                       | 0.03                  |
| 27-Aug-24 | 545                                      | 165               |                   | 33.5                              | 49.0                           | 60.5                            | 0.05     | 0.61                                                  | 0.02                  |
| 29-Aug-24 | 520                                      | 170               |                   | 32.5                              | 51.0                           | 61.0                            | 0.05     | 0.61                                                  | 0.02                  |
| Average   | 535                                      | 170               |                   | 33.0                              | 50.0                           | 61.0                            | 0.05     |                                                       | 0.02                  |

Product Declaration:  
Declared Mean Alkali (%) = 0.75 (Max)  
Declared Chloride content (%) = 0.07 (Max)

For and on behalf of  
HEIDELBERG MATERIALS UK  
  
Dr Nina Cardinal, Dipl.Ing., CEng, MICT  
National Technical Manager  
Heidelberg Materials UK

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