



Castle Cement Ltd T/A  
Hanson Cement, Hanson House, 14 Castle Hill,  
Maidenhead, Berkshire, SL6 4JJ  
Ketton Works  
1333-CPR-00254



## Cement Test Report

Hanson Cement  
Ketton  
Stamford  
PE9 3SX  
Tel: 01330 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 30-Jan-22 (Week No. 2022-4 )  
and during week ending 09-Jan-22 (Week No. 2022-1 ) for 28 day results

| Date      | Fineness<br>Specific Surface<br>(m <sup>2</sup> /kg) | Setting Time<br>Initial<br>(mins) | Soundness<br>Expansion<br>(mm) | Compressive Strength              |                                |                                 | Chloride<br>% | Alkali  |                       |
|-----------|--|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|---------------------------------|---------------|---|-----------------------|
|           |  |                                   |                                | 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> ) |               |   |                       |
| 24-Jan-22 | 475  | 175                               | 1                              | 34.0                              | 50.0                           |                                 | 0.05          | 0.61  | 0.03                  |
| 26-Jan-22 | 455  | 200                               | 1                              | 31.5                              | 49.5                           |                                 | 0.05          | 0.61  | 0.03                  |
| Average   | 465  | 190                               | 1                              | 33.0                              | 50.0                           |                                 | 0.05          |   | 0.03                  |
| 04-Jan-22 | 475  | 185                               | 0                              | 33.0                              | 51.5                           | 61.5                            | 0.05          | 0.62  | 0.03                  |
| 06-Jan-22 | 470  | 195                               | 0                              | 31.0                              | 48.5                           | 61.5                            | 0.05          | 0.62  | 0.03                  |
| Average   | 475  | 190                               | 0                              | 32.0                              | 50.0                           | 61.5                            | 0.05          |   | 0.03                  |

Product Declaration:

Declared Mean Alkali (%) = 0.75 (Max)

Declared Chloride content (%) = 0.07 (Max)

For and on behalf of  
HANSON CEMENT

Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM  
National Technical Manager  
Hanson Cement

Hanson Cement has used all reasonable care to ensure the  
information herein contained is accurate but to the extent  
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