



Heidelberg Materials UK
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 Ketton Works
 1333-CPR-00122



Cement Test Report

Heidelberg Materials UK
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Results of tests made at the laboratories of the company on samples of
 Ketton PC, BS EN 197-1:2011 - CEM I 52,5N

Dispatched from Ketton during week ending
 and during week ending

03-Nov-24 (Week No. 2024-44)

13-Oct-24 (Week No. 2024-41) for 28 day results

| Date | Fineness Specific Surface (m ² /kg) | Setting Time Initial (mins) | Soundness Expansion (mm) | Compressive Strength | | | Chloride % | Alkali | |
|-----------|--|-----------------------------------|--------------------------------|-----------------------------------|--------------------------------|---------------------------------|---------------|---|-----------------------|
| | | | | 40mm x 40mm x 160mm Mortar prisms | | | | Certified Average Alkali % Na ₂ O eq | Standard Deviation |
| | | | | 2 Days (N/mm ²) | 7 Days (N/mm ²) | 28 Days (N/mm ²) | | | |
| 28-Oct-24 | 415 | 175 | 0 | 27.5 | 48.5 | | 0.05 | 0.65 | 0.03 |
| 29-Oct-24 | 435 | 175 | | 33.5 | 54.5 | | 0.04 | 0.65 | 0.03 |
| 30-Oct-24 | 395 | 165 | | 34.5 | 52.5 | | 0.04 | 0.65 | 0.03 |
| 01-Nov-24 | 435 | 170 | | 34.5 | 53.0 | | 0.04 | 0.65 | 0.03 |
| Average | 420 | 170 | | 32.5 | 52.0 | | 0.04 | | 0.03 |
| 07-Oct-24 | 435 | 160 | 1 | 32.0 | 50.5 | 60.0 | 0.05 | 0.65 | 0.03 |
| 08-Oct-24 | 435 | 155 | | 33.5 | 48.0 | 64.5 | 0.05 | 0.65 | 0.03 |
| 09-Oct-24 | 435 | 160 | | 29.5 | 47.0 | 58.0 | 0.05 | 0.65 | 0.03 |
| 11-Oct-24 | 435 | 175 | | 29.0 | 45.5 | 59.0 | 0.05 | 0.65 | 0.03 |
| Average | 435 | 165 | | 31.0 | 48.0 | 60.5 | 0.05 | | 0.03 |

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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