



Castle Cement Ltd T/A
Hanson Cement, Hanson House, 14 Castle Hill,
Maidenhead, Berkshire, SL6 4JJ
Ketton Works
1333-CPR-00135



Cement Test Report

Hanson Cement
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Results of tests made at the laboratories of the company on samples of
Ketton CGPC, BS EN 197-1:2011 - CEM I 42,5N
Dispatched from Ketton during week ending 25-Jul-21 (Week No. 2021-29)
and during week ending 04-Jul-21 (Week No. 2021-26) 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) | | | |
| 19-Jul-21 | 305 | 155 | 1 | 20.5 | 38.0 | | 0.07 | 0.63 | 0.04 |
| 21-Jul-21 | 315 | 150 | 1 | 22.0 | 38.5 | | 0.07 | 0.63 | 0.04 |
| Average | 310 | 155 | 1 | 21.5 | 38.5 | | 0.07 | | 0.04 |
| 28-Jun-21 | 315 | 150 | 1 | 23.0 | 38.5 | 54.0 | 0.06 | 0.63 | 0.04 |
| 30-Jun-21 | 325 | 165 | 0 | 24.0 | 39.5 | 54.0 | 0.07 | 0.63 | 0.04 |
| Average | 320 | 160 | 1 | 23.5 | 39.0 | 54.0 | 0.06 | | 0.04 |

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 permitted in law, no liability can be accepted by Hanson Cement for any loss, damage, cost or expense arising from any inaccuracy, whether due to negligence or otherwise.