



Castle Cement Ltd T/A
Hanson Cement, Hanson House, 14 Castle Hill,
Maidenhead, Berkshire, SL6 4JJ
Padeswood Works
1333-CPR-00255



Cement Test Report

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Results of tests made at the laboratories of the company on samples of
Padeswood PLC 52,5N, BS EN 197-1:2011 - CEM II/A-LL 52,5N

Dispatched from Padeswood during week ending 11-Sep-22 (Week No. 2022-36)
and during week ending 21-Aug-22 (Week No. 2022-33) 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) | | | |
| 06-Sep-22 | 565 | 205 | 1 | 39.0 | 53.0 | | 0.04 | 0.50 | 0.06 |
| 09-Sep-22 | 505 | 190 | 1 | 34.0 | 50.5 | | 0.04 | 0.50 | 0.06 |
| Average | 535 | 200 | 1 | 36.5 | 52.0 | | 0.04 | | 0.06 |
| 16-Aug-22 | 510 | 175 | 0 | 34.5 | 49.5 | 61.5 | 0.04 | 0.52 | 0.03 |
| 19-Aug-22 | 505 | 170 | 0 | 35.5 | 53.0 | 63.0 | 0.04 | 0.52 | 0.05 |
| Average | 510 | 175 | 0 | 35.0 | 51.5 | 62.5 | 0.04 | | 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

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