



Castle Cement Ltd T/A
Hanson Cement, Hanson House, 14 Castle Hill,
Maidenhead, Berkshire, SL6 4JJ
Padeswood Works
1333-CPR-00121



Cement Test Report

Hanson Cement
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Results of tests made at the laboratories of the company on samples of

Padeswood PC, BS EN 197-1:2011 - CEM I 52,5N

Dispatched from Padeswood during week ending
and during week ending

10-Jul-22 (Week No. 2022-27)

19-Jun-22 (Week No. 2022-24) 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) | | | |
| 04-Jul-22 | 415 | 185 | 1 | 33.5 | 50.0 | | 0.04 | 0.59 | 0.03 |
| 05-Jul-22 | 470 | 155 | 1 | 35.5 | 52.0 | | 0.04 | 0.59 | 0.03 |
| 07-Jul-22 | 435 | 165 | 0 | 35.5 | 50.0 | | 0.04 | 0.59 | 0.03 |
| 08-Jul-22 | 415 | 175 | 1 | 33.5 | 49.5 | | 0.04 | 0.59 | 0.03 |
| Average | 435 | 170 | 1 | 34.5 | 50.5 | | 0.04 | | 0.03 |
| 13-Jun-22 | 445 | 170 | 1 | 37.0 | 54.0 | 65.0 | 0.05 | 0.61 | 0.04 |
| 14-Jun-22 | 440 | 160 | 1 | 32.0 | 50.0 | 61.0 | 0.05 | 0.61 | 0.04 |
| 16-Jun-22 | 425 | 185 | 0 | 32.0 | 46.5 | 61.0 | 0.05 | 0.60 | 0.04 |
| 17-Jun-22 | 430 | 165 | 1 | 33.5 | 49.5 | 61.0 | 0.05 | 0.60 | 0.04 |
| Average | 435 | 170 | 1 | 33.5 | 50.0 | 62.0 | 0.05 | | 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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