

## Chemical Report

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Composition of Padeswood PLC 52,5N, EN 197-1:2011, CEM II/A-LL 52,5N

Dispatched from Padeswood

Chemical analysis for week ending 11-Sep-22

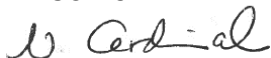
Week No. 2022-36

| Compound                       | %     |
|--------------------------------|-------|
| SiO <sub>2</sub>               | 18.83 |
| Al <sub>2</sub> O <sub>3</sub> | 5.03  |
| Fe <sub>2</sub> O <sub>3</sub> | 2.47  |
| CaO                            | 61.03 |
| MgO                            | 1.05  |
| SO <sub>3</sub>                | 2.95  |
| K <sub>2</sub> O               | 0.36  |
| Na <sub>2</sub> O              | 0.21  |
| Cl                             | 0.03  |
| Loss on Ignition               | n/a   |
|                                |       |
| Not Detected                   | 8.08  |
| Total                          | 91.92 |

|  | %     |
|--|-------|
| Insol Residue  | n/a   |
| Free CaO   | 1.1   |
| Certified<br>Average Alkali<br>Na <sub>2</sub> O (Equiv) | 0.50  |
| LSF (x 100)  | 97.75 |

| Clinker compounds by<br>Rietveld analysis |      |
|---|------|
| C <sub>3</sub> S                          | 58.8 |
| C <sub>2</sub> S                          | 9.5  |
| C <sub>3</sub> A                          | 7.6  |
| C <sub>4</sub> AF                         | 4.1  |

For and on behalf of  
HANSON CEMENT



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

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