

Chemical Report

Heidelberg Materials

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Composition of Ribblesdale PC, EN 197-1:2011, CEM I 52,5N

Dispatched from Ribblesdale

Chemical analysis for week ending 17-Dec-23

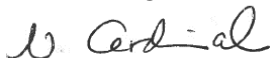
Week No. 2023-50

| Compound | % |
|--------------------------------|--------|
| SiO ₂ | 19.48 |
| Al ₂ O ₃ | 4.84 |
| Fe ₂ O ₃ | 2.23 |
| CaO | 64.45 |
| MgO | 2.00 |
| SO ₃ | 3.44 |
| K ₂ O | 0.61 |
| Na ₂ O | 0.28 |
| Cl | 0.04 |
| Loss on Ignition | 2.92 |
| | |
| Not Detected | -0.28 |
| Total | 100.28 |

| | % |
|--|--------|
| Insol Residue | 0.66 |
| Free CaO | 1.1 |
| Certified Average Alkali Na ₂ O (Equiv) | 0.70 |
| LSF (x 100) | 100.41 |

| Clinker compounds by Rietveld analysis | |
|---|------|
| C ₃ S | 60.8 |
| C ₂ S | 13.0 |
| C ₃ A | 8.4 |
| C ₄ AF | 5.5 |

For and on behalf of
HEIDELBERG MATERIALS UK



Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM

National Technical Manager

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