

## Chemical Report

Heidelberg Materials

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

Dispatched from Padeswood

Chemical analysis for week ending 24-Dec-23

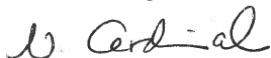
Week No. 2023-51

Compound	%
SiO <sub>2</sub>	19.62
Al <sub>2</sub> O <sub>3</sub>	4.92
Fe <sub>2</sub> O <sub>3</sub>	2.67
CaO	63.12
MgO	1.06
SO <sub>3</sub>	3.53
K <sub>2</sub> O	0.56
Na <sub>2</sub> O	0.20
Cl	0.03
Loss on Ignition	4.06
Not Detected	0.22
Total	99.78

	%
Insol Residue	0.98
Free CaO	1.0
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.60
LSF (x 100)	96.91

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	65.1
C <sub>2</sub> S	9.5
C <sub>3</sub> A	8.0
C <sub>4</sub> AF	4.7

For and on behalf of  
HEIDELBERG MATERIALS UK



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

National Technical Manager

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