

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 28-Sep-25

Week No. 2025-38

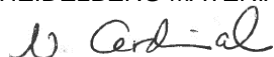
Compound	%
SiO ₂	20.15
Al ₂ O ₃	4.90
Fe ₂ O ₃	3.17
CaO	63.67
MgO	1.05
SO ₃	3.29
K ₂ O	0.47
Na ₂ O	0.17
Cl	0.04
Loss on Ignition	2.64
Not Detected	0.46
Total	99.54

	%
Insol Residue	0.77
Free CaO	1.2
Certified Average Alkali Na ₂ O (Equiv)	0.48
LSF (x 100)	95.36

Clinker compounds by Rietveld analysis	
C ₃ S	58.9
C ₂ S	11.3
C ₃ A	7.6
C ₄ AF	7.8

For and on behalf of

HEIDELBERG MATERIALS UK



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

Technical Strategy Director

Heidelberg Materials UK

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