

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 18-Jan-26

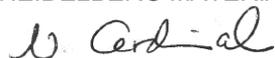
Week No. 2026-2

Compound	%
SiO ₂	20.52
Al ₂ O ₃	5.13
Fe ₂ O ₃	3.07
CaO	63.93
MgO	1.06
SO ₃	3.32
K ₂ O	0.53
Na ₂ O	0.22
Cl	0.05
Loss on Ignition	n/a
Not Detected	2.18
Total	97.82

	%
Insol Residue	n/a
Free CaO	1.8
Certified Average Alkali Na ₂ O (Equiv)	0.56
LSF (x 100)	93.92

Clinker compounds by Rietveld analysis	
C ₃ S	54.8
C ₂ S	15.7
C ₃ A	8.1
C ₄ AF	7.0

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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