

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 14-Dec-25

Week No. 2025-49

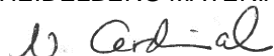
Compound	%
SiO ₂	20.59
Al ₂ O ₃	5.17
Fe ₂ O ₃	3.03
CaO	64.01
MgO	1.13
SO ₃	3.23
K ₂ O	0.51
Na ₂ O	0.23
Cl	0.06
Loss on Ignition	2.87
Not Detected	-0.84
Total	100.84

	%
Insol Residue	1.08
Free CaO	0.5
Certified Average Alkali Na ₂ O (Equiv)	0.55
LSF (x 100)	93.79

Clinker compounds by Rietveld analysis	
C ₃ S	53.9
C ₂ S	15.8
C ₃ A	8.0
C ₄ AF	7.1

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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