

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 11-Jan-26

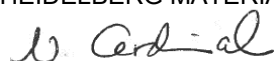
Week No. 2026-1

Compound	%
SiO ₂	20.45
Al ₂ O ₃	5.08
Fe ₂ O ₃	3.07
CaO	63.68
MgO	1.05
SO ₃	3.21
K ₂ O	0.51
Na ₂ O	0.20
Cl	0.05
Loss on Ignition	n/a
Not Detected	2.69
Total	97.31

	%
Insol Residue	n/a
Free CaO	1.4
Certified Average Alkali Na ₂ O (Equiv)	0.55
LSF (x 100)	93.99

Clinker compounds by Rietveld analysis	
C ₃ S	54.9
C ₂ S	15.9
C ₃ A	7.7
C ₄ AF	7.1

For and on behalf of
HEIDELBERG MATERIALS UK



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

Technical Strategy Director

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