

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 12-Oct-25

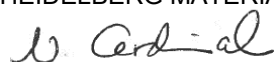
Week No. 2025-40

Compound	%
SiO ₂	20.43
Al ₂ O ₃	5.12
Fe ₂ O ₃	3.08
CaO	64.27
MgO	1.05
SO ₃	3.26
K ₂ O	0.48
Na ₂ O	0.18
Cl	0.04
Loss on Ignition	2.73
Not Detected	-0.62
Total	100.62

	%
Insol Residue	1.10
Free CaO	1.1
Certified Average Alkali Na ₂ O (Equiv)	0.48
LSF (x 100)	94.88

Clinker compounds by Rietveld analysis	
C ₃ S	59.5
C ₂ S	10.6
C ₃ A	7.9
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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