

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 17-Aug-25

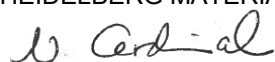
Week No. 2025-32

Compound	%
SiO ₂	20.58
Al ₂ O ₃	4.95
Fe ₂ O ₃	3.13
CaO	64.13
MgO	1.04
SO ₃	3.25
K ₂ O	0.46
Na ₂ O	0.16
Cl	0.03
Loss on Ignition	2.64
Not Detected	-0.36
Total	100.36

	%
Insol Residue	0.77
Free CaO	0.9
Certified Average Alkali Na ₂ O (Equiv)	0.52
LSF (x 100)	94.32

Clinker compounds by Rietveld analysis	
C ₃ S	60.4
C ₂ S	11.9
C ₃ A	7.2
C ₄ AF	7.3

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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