

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 20-Jul-25

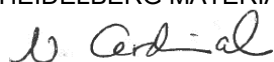
Week No. 2025-28

Compound	%
SiO ₂	20.30
Al ₂ O ₃	4.87
Fe ₂ O ₃	3.19
CaO	64.73
MgO	1.01
SO ₃	3.39
K ₂ O	0.43
Na ₂ O	0.21
Cl	0.04
Loss on Ignition	2.94
Not Detected	-1.10
Total	101.10

	%
Insol Residue	1.30
Free CaO	1.4
Certified Average Alkali Na ₂ O (Equiv)	0.47
LSF (x 100)	96.30

Clinker compounds by Rietveld analysis	
C ₃ S	58.6
C ₂ S	12.1
C ₃ A	7.0
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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