

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 02-Nov-25

Week No. 2025-43

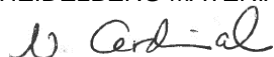
Compound	%
SiO ₂	20.59
Al ₂ O ₃	5.18
Fe ₂ O ₃	3.15
CaO	64.74
MgO	1.09
SO ₃	3.34
K ₂ O	0.49
Na ₂ O	0.23
Cl	0.05
Loss on Ignition	2.73
Not Detected	-1.58
Total	101.58

	%
Insol Residue	1.10
Free CaO	1.5
Certified Average Alkali Na ₂ O (Equiv)	0.50
LSF (x 100)	94.69

Clinker compounds by Rietveld analysis	
C ₃ S	54.9
C ₂ S	14.7
C ₃ A	7.6
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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