

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 10-Aug-25

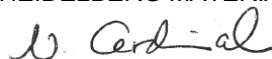
Week No. 2025-31

Compound	%
SiO ₂	20.12
Al ₂ O ₃	4.98
Fe ₂ O ₃	3.03
CaO	64.30
MgO	1.03
SO ₃	3.39
K ₂ O	0.56
Na ₂ O	0.21
Cl	0.06
Loss on Ignition	3.04
Not Detected	-0.70
Total	100.70

	%
Insol Residue	1.04
Free CaO	0.6
Certified Average Alkali Na ₂ O (Equiv)	0.51
LSF (x 100)	96.36

Clinker compounds by Rietveld analysis	
C ₃ S	58.6
C ₂ S	12.1
C ₃ A	7.7
C ₄ AF	7.0

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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