

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 03-Aug-25

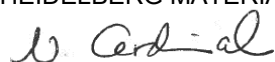
Week No. 2025-30

Compound	%
SiO ₂	20.21
Al ₂ O ₃	4.99
Fe ₂ O ₃	3.03
CaO	64.70
MgO	1.02
SO ₃	3.44
K ₂ O	0.53
Na ₂ O	0.22
Cl	0.05
Loss on Ignition	3.14
Not Detected	-1.31
Total	101.32

	%
Insol Residue	1.02
Free CaO	0.9
Certified Average Alkali Na ₂ O (Equiv)	0.49
LSF (x 100)	96.54

Clinker compounds by Rietveld analysis	
C ₃ S	59.0
C ₂ S	11.8
C ₃ A	7.7
C ₄ AF	6.9

For and on behalf of
HEIDELBERG MATERIALS UK



Dr Nina Cardinal, Dipl.Ing., CEng, MICT

Technical Strategy Director

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