

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 19-Oct-25

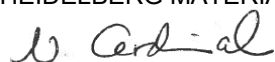
Week No. 2025-41

Compound	%
SiO ₂	20.46
Al ₂ O ₃	5.12
Fe ₂ O ₃	3.04
CaO	64.69
MgO	1.06
SO ₃	3.35
K ₂ O	0.48
Na ₂ O	0.17
Cl	0.04
Loss on Ignition	2.73
Not Detected	-1.14
Total	101.14

	%
Insol Residue	1.10
Free CaO	1.3
Certified Average Alkali Na ₂ O (Equiv)	0.49
LSF (x 100)	95.32

Clinker compounds by Rietveld analysis	
C ₃ S	59.0
C ₂ S	11.0
C ₃ A	8.0
C ₄ AF	7.0

For and on behalf of
HEIDELBERG MATERIALS UK



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

Technical Strategy Director

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