

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 15-Mar-26

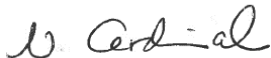
Week No. 2026-10

Compound	%
SiO ₂	20.32
Al ₂ O ₃	5.08
Fe ₂ O ₃	3.07
CaO	64.69
MgO	1.05
SO ₃	3.08
K ₂ O	0.54
Na ₂ O	0.20
Cl	0.08
Loss on Ignition	3.14
Not Detected	-1.24
Total	101.24

	%
Insol Residue	1.29
Free CaO	1.2
Certified Average Alkali Na ₂ O (Equiv)	0.55
LSF (x 100)	96.24

Clinker compounds by Rietveld analysis	
C ₃ S	58.3
C ₂ S	13.5
C ₃ A	8.1
C ₄ AF	7.1

 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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