

Chemical Report

Heidelberg Materials

UK

Ketton

Stamford

PE9 3SX

Tel: 0330 123 2074

Fax: 01780 727008

Composition of Padeswood PC, EN 197-1:2011, CEM I 52,5N

Dispatched from Padeswood

Chemical analysis for week ending 24-Aug-25

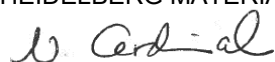
Week No. 2025-33

Compound	%
SiO ₂	20.36
Al ₂ O ₃	4.95
Fe ₂ O ₃	3.09
CaO	64.21
MgO	1.03
SO ₃	3.30
K ₂ O	0.45
Na ₂ O	0.17
Cl	0.03
Loss on Ignition	2.64
Not Detected	-0.22
Total	100.22

	%
Insol Residue	0.77
Free CaO	1.0
Certified Average Alkali Na ₂ O (Equiv)	0.51
LSF (x 100)	95.29

Clinker compounds by Rietveld analysis	
C ₃ S	60.8
C ₂ S	9.7
C ₃ A	7.4
C ₄ AF	7.2

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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