

Chemical Report

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Composition of Padeswood PC, EN 197-1:2011, CEM I 52,5N
Dispatched from Padeswood
Chemical analysis for week ending 26-Jul-26

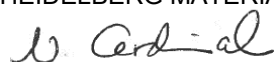
Week No. 2026-29

Compound	%
SiO ₂	20.29
Al ₂ O ₃	5.16
Fe ₂ O ₃	3.12
CaO	64.60
MgO	1.02
SO ₃	3.46
K ₂ O	0.51
Na ₂ O	0.20
Cl	0.03
Loss on Ignition	2.89
Not Detected	-1.27
Total	101.27

	%
Insol Residue	1.41
Free CaO	1.6
Certified Average Alkali Na ₂ O (Equiv)	0.55
LSF (x 100)	95.66

Clinker compounds by Rietveld analysis	
C ₃ S	57.7
C ₂ S	13.6
C ₃ A	7.8
C ₄ AF	6.9

For and on behalf of
HEIDELBERG MATERIALS UK



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