

## 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-Feb-26

Week No. 2026-6

Compound	%
SiO <sub>2</sub>	20.43
Al <sub>2</sub> O <sub>3</sub>	5.09
Fe <sub>2</sub> O <sub>3</sub>	3.08
CaO	64.35
MgO	1.08
SO <sub>3</sub>	3.33
K <sub>2</sub> O	0.53
Na <sub>2</sub> O	0.21
Cl	0.07
Loss on Ignition	3.14
Not Detected	-1.29
Total	101.29

	%
Insol Residue	1.29
Free CaO	1.3
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.56
LSF (x 100)	94.99

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	56.9
C <sub>2</sub> S	14.4
C <sub>3</sub> A	7.8
C <sub>4</sub> AF	7.1

For and on behalf of  
HEIDELBERG MATERIALS UK



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

Technical Strategy Director

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