

## 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 14-Jul-24

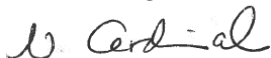
Week No. 2024-28

Compound	%
SiO <sub>2</sub>	20.77
Al <sub>2</sub> O <sub>3</sub>	5.35
Fe <sub>2</sub> O <sub>3</sub>	3.41
CaO	65.26
MgO	1.10
SO <sub>3</sub>	3.27
K <sub>2</sub> O	0.45
Na <sub>2</sub> O	0.21
Cl	0.02
Loss on Ignition	2.86
Not Detected	-2.68
Total	102.68

	%
Insol Residue	1.06
Free CaO	0.4
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.55
LSF (x 100)	94.27

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	60.5
C <sub>2</sub> S	11.1
C <sub>3</sub> A	7.3
C <sub>4</sub> AF	8.6

For and on behalf of  
HEIDELBERG MATERIALS UK



Dr Nina Cardinal, Dipl.Ing., CEng, MICT  
National Technical Manager  
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