

## 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 20-Feb-22


Week No. 2022-7

Compound	%
SiO <sub>2</sub>	19.42
Al <sub>2</sub> O <sub>3</sub>	4.96
Fe <sub>2</sub> O <sub>3</sub>	2.71
CaO	62.37
MgO	0.97
SO <sub>3</sub>	3.43
K <sub>2</sub> O	0.65
Na <sub>2</sub> O	0.19
Cl	0.08
Loss on Ignition	3.80
Not Detected	1.43
Total	98.57

	%
Insol Residue	0.95
Free CaO	0.9
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.63
LSF (x 100)	96.59

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	58.1
C <sub>2</sub> S	15.0
C <sub>3</sub> A	8.0
C <sub>4</sub> AF	4.2

For and on behalf of  
HANSON CEMENT



*Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM*  
*National Technical Manager*  
*Hanson Cement*

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