

## Laboratory Chemical Report

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Composition of Padeswood Rapid Hardening PC, BS EN 197-1:2011, CEM I 52,5R

Manufactured at Padeswood.

Chemical analysis for week ending 30 Jul 2017 (Week No. 30 )

Compound	%
SiO <sub>2</sub>	19.78
Al <sub>2</sub> O <sub>3</sub>	5.77
Fe <sub>2</sub> O <sub>3</sub>	1.86
CaO	63.91
MgO	1.00
SO <sub>3</sub>	3.80
K <sub>2</sub> O	0.64
Na <sub>2</sub> O	0.22
Cl	0.06
Loss on Ignition	2.59
Not Detected	0.37
Total	100.00

	%
Insol Residue	1.07
Free CaO	0.8
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.64
LSF (x 100)	98.8

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	46.9
C <sub>2</sub> S	20.0
C <sub>3</sub> A	12.0
C <sub>4</sub> AF	1.9

For and on behalf of  
 HANSON CEMENT



National Technical Manager  
 Hanson Cement

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