

## Laboratory Chemical Report

Hanson Cement  
 Ketton  
 Stamford  
 PE9 3SX  
 Tel: 0330 123 2074  
 Fax: 01780 727008

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

Manufactured at Padeswood.

Chemical analysis for week ending 13 Aug 2017 (Week No. 32 )

Compound	%
SiO <sub>2</sub>	19.49
Al <sub>2</sub> O <sub>3</sub>	5.92
Fe <sub>2</sub> O <sub>3</sub>	1.84
CaO	63.51
MgO	1.06
SO <sub>3</sub>	3.87
K <sub>2</sub> O	0.63
Na <sub>2</sub> O	0.23
Cl	0.06
Loss on Ignition	3.40
Not Detected	-0.01
Total	100.00

	%
Insol Residue	1.18
Free CaO	0.9
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.64
LSF (x 100)	99.0

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	48.2
C <sub>2</sub> S	20.3
C <sub>3</sub> A	12.7
C <sub>4</sub> AF	2.2

For and on behalf of  
 HANSON CEMENT



*National Technical Manager  
 Hanson Cement*

The Company has used all reasonable care to ensure the information herein contained is accurate but no liability can be accepted for any loss or damage arising from any inaccuracy, whether due to their negligence or otherwise.