

## Chemical Report

Hanson Cement  
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Composition of Ribblesdale PC, EN 197-1:2011, CEM I 52,5N

Dispatched from Ribblesdale

Chemical analysis for week ending 25-Jul-21


Week No. 2021-29

Compound	%
SiO <sub>2</sub>	20.83
Al <sub>2</sub> O <sub>3</sub>	5.15
Fe <sub>2</sub> O <sub>3</sub>	2.39
CaO	64.55
MgO	2.44
SO <sub>3</sub>	3.22
K <sub>2</sub> O	0.62
Na <sub>2</sub> O	0.28
Cl	0.05
Loss on Ignition	2.89
Not Detected	-2.40
Total	102.40

	%
Insol Residue	0.66
Free CaO	1.3
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.68
LSF (x 100)	94.33

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	56.0
C <sub>2</sub> S	19.9
C <sub>3</sub> A	7.7
C <sub>4</sub> AF	6.5

For and on behalf of  
HANSON CEMENT



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

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