

## 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 03-Jul-22


Week No. 2022-26

Compound	%
SiO <sub>2</sub>	21.69
Al <sub>2</sub> O <sub>3</sub>	5.33
Fe <sub>2</sub> O <sub>3</sub>	2.52
CaO	65.23
MgO	2.68
SO <sub>3</sub>	3.45
K <sub>2</sub> O	0.64
Na <sub>2</sub> O	0.27
Cl	0.07
Loss on Ignition	3.51
Not Detected	-5.38
Total	105.38

	%
Insol Residue	0.60
Free CaO	1.4
Certified Average Alkali Na <sub>2</sub> O (Equiv)	0.71
LSF (x 100)	91.36

Clinker compounds by Rietveld analysis	
C <sub>3</sub> S	54.4
C <sub>2</sub> S	20.5
C <sub>3</sub> A	6.6
C <sub>4</sub> AF	5.6

For and on behalf of  
HANSON CEMENT



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

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