



Regen Ground Granulated Blastfurnace Slag Produced at Sample Period

Teesside September 2022

Certificate of Conformity of Regen GGBS

Spot samples of Regen GGBS were taken and tested to determine conformity to the autocontrol requirements of EN 15167-1 "Ground granulated blastfurnace slag for use in concrete, mortar and grout" following the methods given in that standard. The values reported are mean values for the monthly production period.

		Result	EN Limit
Regen GGBS Only			
Fineness m²/kg		471	min. 275
Magnesia MgO %		8	max. 18
Sulfate SO ³ %		0.19	max. 2.5
Sulfide S ²⁻ %		0.75	max. 2.0
Chloride Content CI %		0.01	max. 0.1
Moisture Content %		0.11	max. 1.0
Aluminia Al ₂ O ₃ %		13	
Note: If the value is \ge 14% the '+SR' restriction will be exceeded if the C ₃	₃ A of the CEM I is > 10%	6.	
Alkalis as Na2O equ. (acid so	luble)		
Certified Average Alkali (Last 25) %		≤ 1.0	
Mean Alkali content (Last 25) %		0.54	
Declared Mean : Mean last 25 + (SD last 25 x 1.64) %		0.73	
Combination of 50% Laboratory Stock CEM I Portland	Cement and 50% Rege	en GGBS	
Initial Setting Time min.		218	> 2 x PC
Activity Index %	7 days	70	min. 45
	28 days	89	min. 70
Laboratory Stock CEM I Portland C	ement Only		_
The laboratory stock CEM I Portland cement used in these	e tests was supplied by	Hanson.	
Initial Setting Time min		135	
Compressive Strength N/mm ²	7 days	48.2	
	28 days	61.3	
The Regen GGBS contained no additional materials other than those	permitted. The above re	sults and o	ther tests
demonstrate the conformity of the material sold during the mon			
Hanson Cement has used all reasonable care to ensure the information herein contained is be accepted by Hanson Cement for any loss, damage, cost or expense arising from an			
Signed:	ny macouracy, whether due to	nogligence U	GUICI WIGC.
N. Cerdial			UK CA
Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM National Technical Manager		1333	3-CPR-00212