

Conformity Certificate



Regen Ground Granulated Blastfurnace Slag Produced at Sample Period

Teesside February 2024

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 m ² /kg		484	min. 275
Magnesia MgO %		6	max. 18
Sulfate SO ³ %		0.23	max. 2.5
Sulfide S ²⁻ %		0.81	max. 2.0
Chloride Content CI %		0.00	max. 0.1
Moisture Content %		0.02	max. 1.0
Aluminia Al ₂ O ₃ %		14	
Note: If the value is \geq 14% the '+SR' restriction will be exceeded if the	C_3A of the CEM I is > 10°	%.	
Alkalis as Na2O equ. (acid s	soluble)		
Certified Average Alkali (Last 25) %		≤ 1.0	
Mean Alkali content (Last 25) %		0.49	
Declared Mean : Mean last 25 + (SD last 25 x 1.64) %		0.53	
Combination of 50% Laboratory Stock CEM I Portland	d Cement and 50% Reg	en GGBS	_
Initial Setting Time min.		237	> 2 x PC
Activity Index %	7 days	70	min. 45
	28 days	90	min. 70
Laboratory Stock CEM I Portland	Cement Only		_
The laboratory stock CEM I Portland cement used in the	ese tests was supplied by	Hanson.	
Initial Setting Time min		130	Τ
Compressive Strength N/mm²	7 days	46.2	
	28 days	58.6	1
The Regen GGBS contained no additional materials other than thos demonstrate the conformity of the material sold during the mo	•		

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Signed:

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Dr Nina Cardinal, Dipl.Ing., CEng, MICT National Technical Manager

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