



Regen Ground Granulated Blastfurnace Slag Produced at Sample Period

Purfleet July 2021

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		440	min. 275
Magnesia MgO %		8	max. 18
Sulfate SO ³ %		0.17	max. 2.5
Sulfide S ²⁻ %		0.79	max. 2.0
Chloride Content Cl %		0.01	max. 0.1
Moisture Content %		0.06	max. 1.0
Aluminia Al ₂ O ₃ %		14	
Note: If the value is \ge 14% the '+SR' restriction will be exceeded if the C	C_3A of the CEM I is > 10%	6.	
Alkalis as Na2O equ. (acid s	oluble)		
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) %		0.57	
Combination of 50% Laboratory Stock CEM I Portland	d Cement and 50% Rege	en GGBS	
Initial Setting Time min.		253	> 2 x PC
Activity Index %	7 days	61	min. 45
	28 days	82	min. 70
Laboratory Stock CEM I Portland	Cement Only		
The laboratory stock CEM I Portland cement used in the	se tests was supplied by	Hanson.	
Initial Setting Time min		168	
Compressive Strength N/mm ²	7 days	48.3	
	28 days	60.2	
The Regen GGBS contained no additional materials other than those demonstrate the conformity of the material sold during the mot	e permitted. The above rent to the requirements of	of EN 15167	'-1 .
Hanson Cement has used all reasonable care to ensure the information herein contained be accepted by Hanson Cement for any loss, damage, cost or expense arising from a		,	
Signed:			UK
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Dr Nina Cardinal, Dipl.Ing., CEng, MiMMM National Technical Manager		1333	3-CPR-00133