

Conformity Certificate



Regen Ground Granulated Blastfurnace Slag Produced at Sample Period

Teesside HF 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 Onl	<u></u>		
Fineness m ² /kg		528	min. 275
Magnesia MgO %		7	max. 18
Sulfate SO ³ %		0.09	max. 2.5
Sulfide S ²⁻ %		0.99	max. 2.0
Chloride Content Cl %		0.01	max. 0.1
Moisture Content %		0.12	max. 1.0
Aluminia Al ₂ O ₃ %		14	
Note: If the value is ≥ 14% the '+SR' restriction will be exceeded if the	e C ₃ A of the CEM I is > 10%	6.	
Alkalis as Na2O equ. (acid	l soluble)		
Certified Average Alkali (Last 25) %		≤ 1.0	
Mean Alkali content (Last 25) %		0.45	
Declared Mean : Mean last 25 + (SD last 25 x 1.64) %		0.56	
Combination of 50% Laboratory Stock CEM I Portla	nd Cement and 50% Rege	en GGBS	
Initial Setting Time min.		251	> 2 x PC
Activity Index %	7 days	70	min. 45
	28 days	92	min. 70
Laboratory Stock CEM I Portlan	d Cement Only	•	•
The laboratory stock CEM I Portland cement used in to	hese 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 the	ose permitted. The above re	eults and o	ther tests

The Regen GGBS contained no additional materials other than those permitted. The above results and other tests demonstrate the conformity of the material sold during the month to the requirements of EN 15167-1.

Hanson Cement has used all reasonable care to ensure the information herein contained is accurate but to the extent permitted in law, no liability can be accepted by Hanson Cement for any loss, damage, cost or expense arising from any inaccuracy, whether due to negligence or otherwise.

Signed:

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