Certificate of Conformity Summary

Teesside SF - April 2023

Combinations of Regen GGBS supplied from Hanson Cement in combination with the CEM I Portland Cements and CEM II Portland Limestone Cements (PLC) listed below conform with the requirements of BS 8500-2:2015 over the indicated range of proportions. The compressive strength results are for tests carried out in accordance with BS EN 197-1 with 50% Regen GGBS in combination with the indicated CEM I Portland Cement and 20% Regen GGBS in combination with the indicated CEM II Portland Limestone Cements (PLC)

Portland Cement Source	Compressive Strength N/mm2		Regen GGBS Percentage Range					
			42.5L		32.5L		22.5	
	7 day	28 day	Min	Max	Min	Max	Min	Max
KETTON	33.9	53.4	6	67	54	78	73	80
CAULDON 52.5N	33.0	51.9	6	62	55	73	68	80
PADESWOOD	31.4	49.5	6	66	54	77	72	80
TUNSTEAD	27.1	54.4	21	62	54	74	69	80
RIBBLESDALE	34.0	53.1	19	66	55	77	72	80
RUGBY	34.6	55.0	6	64	55	75	70	80
GLASGOW LAGERDORF	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
DUNBAR	23.0	48.1	33	67	50	80	76	80
PLATIN	32.4	53.0	6	62	52	74	69	80
COOKSTOWN	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
ALHANDRA 52.5R	33.0	52.2	37	70	60	80	76	80
HOPE	33.7	52.9	36	68	57	78	74	80
ALCANAR	30.8	52.8	37	69	60	79	75	80
LAGAN	30.6	55.0	6	71	60	80	77	80
OUTAO	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
RIBBLESDALE PLC	44.1	55.8	1	30	n/a	n/a	n/a	n/a
PADESWOOD PLC	43.1	56.9	12	30	n/a	n/a	n/a	n/a
HOPE PLC	41.2	57.2	1	30	n/a	n/a	n/a	n/a
OGGAZ	34.5	55.7	38	71	65	79	75	80

Combination Designation (Table 1 BS 8500-2)	Percentage Regen GGBS	
	Not Less Than	Not More Than
CIIA (With CEM I)	6	20
CIIA (With PLC)	Depends on limestone content in cement	
CIIB-M	Depends on limestone content in cement	
CIIB-S	21	35
CIIIA	36	65
CIIIB	66	80

The Regen GGBS contained no additional materials others than those permitted according to BS 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:

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

1333-CPR-00212