Certificate of Conformity Summary

Purfleet - April 2022

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
ABERTHAW	32.5	53.3	20	68	51	80	76	80
KETTON	29.7	49.6	6	60	47	76	69	80
MACEIRA-LIZ	31.1	56.1	6	65	55	80	73	80
CAULDON 52.5N	32.2	55.5	6	66	50	80	74	80
PADESWOOD	32.7	52.1	6	67	47	80	75	80
TUNSTEAD	28.8	52.3	27	66	56	79	74	80
RIBBLESDALE	32.3	50.3	21	72	49	80	78	80
RUGBY	34.8	54.8	6	64	52	78	72	80
LEMONA	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
CHATHAM LAGERDORF	34.9	54.5	6	67	60	78	73	80
PLATIN	25.1	49.1	6	63	45	79	73	80
TILBURY	32.5	55.4	24	64	51	79	73	80
QUINN	35.0	57.0	6	70	60	80	76	80
HOPE	31.1	52.3	6	63	51	79	72	80
LIMERICK	28.8	53.2	6	61	51	76	69	80
METAPORQUERA	31.8	54.9	6	60	46	77	71	80
KETTON PLC	41.6	57.4	1	30	n/a	n/a	n/a	n/a
ABONO	32.7	56.1	6	64	55	78	71	80
GHENT	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
HOPE PLC	40.3	55.6	1	30	n/a	n/a	n/a	n/a
SEVILLE	30.9	52.7	6	63	51	80	73	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:

N. Cardinal

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

UK CA

1333-CPR-00133