

## **Certificate of Conformity Summary**



## Purfleet - June 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) The combination of cement sources in bold text have been evaluated for conformity for less than six months.

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	29.2	49.2	6	61	46	77	71	80
CHATHAM	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
KETTON	30.6	49.1	6	60	47	76	69	80
MACEIRA-LIZ	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
CAULDON 52.5N	29.9	48.9	6	58	48	73	66	80
PADESWOOD	30.9	50.0	6	64	41	78	72	80
TUNSTEAD	28.5	51.6	6	58	47	73	66	80
RIBBLESDALE	30.8	51.5	17	72	48	80	78	80
RUGBY	31.4	51.1	6	60	48	76	70	80
LEMONA	30.1	51.1	6	62	50	78	71	80
CHATHAM LAGERDORF	33.3	54.7	6	61	53	74	67	80
PLATIN	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
TILBURY	29.0	50.0	20	62	49	78	72	80
ALHANDRA 52.5R	30.7	51.2	6	60	49	76	69	80
QUINN	30.4	52.2	6	67	54	78	73	80
HOPE	29.2	50.7	6	60	49	76	69	80
LIMERICK	28.9	51.4	6	57	47	71	64	80
METAPORQUERA	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
KETTON PLC	39.9	56.8	1	30	n/a	n/a	n/a	n/a
PADESWOOD PLC	40.4	56.4	8	30	n/a	n/a	n/a	n/a
ABONO	30.8	54.2	6	64	54	79	72	80
GHENT	No	Sample	n/a	n/a	n/a	n/a	n/a	n/a
HOPE PLC	38.6	55.5	1	30	n/a	n/a	n/a	n/a
SEVILLE	31.3	51.8	6	63	50	80	73	80

Combination Designation	Percentage Regen GGBS				
(Table 1 BS 8500-2)	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:

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

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