



**Certificate of
CONFORMITY SUMMARY**

Scunthorpe

Sample Period

April 2019

Summary of All Cements

1. Combinations of GGBS supplied from LKAB Minerals in combination with the CEM I Portland cements listed below conform with the requirements of BS 8500-2:2015 over the indicated range of proportions.

The compressive strength results are for tests following the procedure given in EN 197-1 with 50% GGBS in combination with the indicated CEM I Portland cement.

Portland Cement Source		GGBS Percentage Range							
		Compressive Strength N/mm ²		52.5 L		42.5 L		32.5 L	
		7 day	28 day	Min	Max	Min	Max	Min	Max
Platin	52.5N	29.8	49.6	6	27	6	59	46	76
Limerick	52.5N	29.0	49.5	6	31	6	59	48	74
Aalborg White	52.5R	31.5	48.7	6	29	6	56	46	72
Titan	52.5N	25.6	51.3	6	34	18	56	48	77
Tunstead	52.5N	27.1	49.0	6	33	6	62	49	79
Lemona Bilboa	52.5R	29.7	50.1	6	33	6	62	45	80
South Ferriby	52.5N	20.4	49.1	6	24	6	53	40	75
Padeswood	52.5N	28.9	49.4	6	19	6	56	42	73
Ribblesdale	52.5N	29.3	49.2	6	13	6	58	41	76
Mataporquera	52.5R	27.8	49.3	6	31	6	63	46	80
Ketton	52.5N	27.4	47.5	6	21	6	54	41	73
Rugby	52.5N	28.0	49.5	6	22	6	56	44	73
Dunbar	52.5N	21.0	49.6	6	24	6	48	44	77
Cauldon	52.5N	24.8	50.2	6	22	6	60	47	76
Lagan	52.5R	29.4	53.0	6	29	6	61	48	78
Hope	52.5N	29.6	52.6	6	34	6	62	50	78
Cookstown	52.5N	25.2	50.3	6	27	6	57	45	74
Brevik	52.5N	27.8	51.9	6	24	6	61	46	79
Cimpor	52.5R	27.7	52.2	6	36	6	60	50	76
Secil	52.5R	28.7	50.1	6	35	6	59	49	76

These combinations count fully towards the cement content in concrete to BS 8500.

2. Combination Designation (Table 1 BS 8500-2:2015)

	Percentage GGBS	
	Not Less Than	Not More Than
CIIA-S	6	20
CIIB-S	21	35
CIIA	36	65
CIIB	66	80

The 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 15167-1:2006

Signed:

L Bontoft - Technical Manager GGBS