



Certificate of CONFORMITY SUMMARY									
Aboño	Sample Period	May 2020							
Summary of All Cements									
<p>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.</p> <p>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.</p>									
			GGBS Percentage Range						
Portland Cement Source		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	28.1	49.5	6	31	6	73	42	80
Limerick	52.5N	25.7	48.9	6	26	6	63	41	80
Lägerdorf	52.5N	29.8	48.9	6	18	6	69	55	80
Tunstead	52.5N	27.8	50.9	6	32	6	71	46	80
Padeswood	52.5N	29.3	49.2	6	29	6	63	42	78
Ribblesdale	52.5N	29.0	49.4	6	31	6	63	43	80
Ketton	52.5N	28.4	49.0	6	28	6	65	42	80
Rugby	52.5N	26.7	49.1	6	25	6	65	43	80
Cauldon	52.5N	29.6	48.9	6	29	6	72	47	80
Hope	52.5N	31.2	51.1	6	30	6	67	48	80
Cookstown	52.5N	28.2	47.3	6	27	6	60	41	80
Cimpor	52.5R	28.0	50.7	6	33	6	63	52	79
Secil	52.5R	28.3	50.3	6	33	6	66	50	80
<p>These combinations count fully towards the cement content in concrete to BS 8500.</p>									
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			
<p>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</p>									

Signed: _____
 L Bontoft -Technical Manager GGBS