

CONCRETE COMPOSITION AND METHOD OF PREPARATION**ABSTRACT OF THE DISCLOSURE**

A high performance concrete composition which comprises in relative parts by weight:

- i. 20 - 26% by weight of CEMI and GGBFS;
- 5 ii. 4%-12% by weight of silica fume;
- iii. two polycarboxylate (PC) based admixture (around 2 litres/100 kg cementitious material);
- iv. water binder ratio of 0.22 to 0.33;
- v. 26 - 32% by weight of natural sand and 35 - 45% by weight of a 20 mm
- 10 graded granite stone;
- vi. a WCS and RCA as a replacement to natural sand and 20mm coarse aggregates respectively by a maximum of 10% by weight; and
- vii. Polypropylene fibre at a dosage of 1 – 2 kg/m³.

15 No Figure