



How to check fibres on the surface?

Fibres on the surface

- a. Select a square area of 600 by 600 mm.
- b. Using a thin steel plate of 100 mm by 60mm, the surface of the slab is scratched.
- c. If the fibre can be seen but does not hook to the steel plate, the fibre is defined as small. The total number of small fibres are added to obtain x (total small fibres/600 mm x 600 mm).
- d. If the fibre is sticking out of the slab surface and hooks to the steel plate, the fibre is defined as important. The total number of important fibres are added to obtain y (total important fibres/600 mm x 600 mm).
- e. Steps 1 to 4 are repeated another 11 times.
- f. The average of x and y are calculated based on the 12 measurements.
- g. Finally, a value K is determined.
 $K = x/3 + y$
K Quality of SFRC slab surface finishing
0 – 1 → E (excellent)
1 – 2 → 5 (very good)
2 – 3 → 4
3 – 4 → 3
4 – 5 → 2
5 – 6 → 1
6+ → D (very poor)