

# Micro Concrete Mix Design

**Proserve Ltd.**

80 Priory Road,  
Kenilworth,  
Warwickshire, CV8 1LQ,  
England

UK: 01926 512222  
Int: 00 44 1926 512222  
office@proserveltd.co.uk  
www.proserveltd.co.uk

**Fabriform**

- **Recommended Micro Concrete Mix**

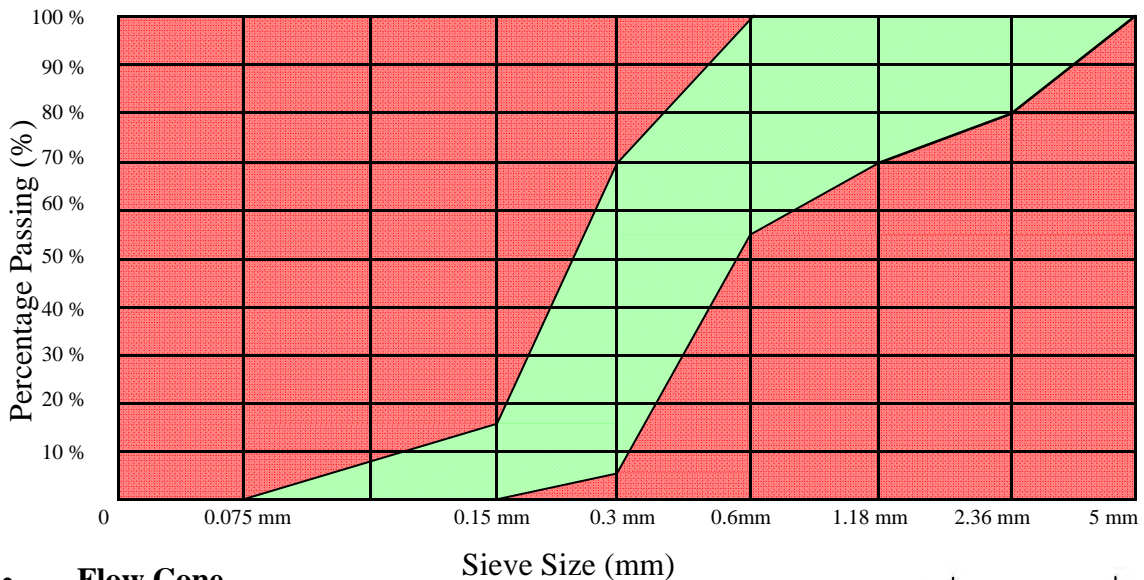
2:1 Sand:Cement ratio with the following mix proportions

Cement	556 kg/ m <sup>3</sup>
Sand—Fine sharp washed. Zone 3 to 4	1,112 kg/ m <sup>3</sup>
Water (mixing water:cement ratio 0.7, varies to suit sand grading)	387 kg/ m <sup>3</sup>

Typical Strength Range 30—40 N/mm<sup>2</sup>

- **Recommended Sand**

Washed river or sea sand that is well graded within B.S. 822 Zone F. The sand grading line should fall inside the green zone on the graph below.



- **Flow Cone**

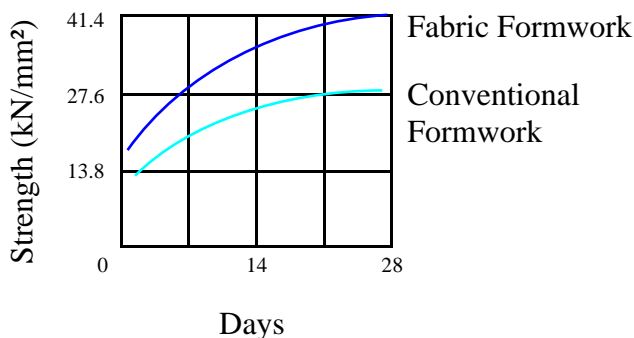
The water:cement ratio varies with the exact granulometry of the sand used and should be determined on site using the Proserve Flow Cone.

The water: cement ratio is adjusted to give a discharge time of 27-33 seconds



Proserve Flow Cone  
Volume 1.75 litres

- **Free Water Bleed & Strength**



The porous fabric allows the concrete to bleed, giving off its free water and thus reduces the pressures acting upon it. This allows the strength of the concrete to be higher than normal for a given concrete mix whilst retaining fluidity during placement