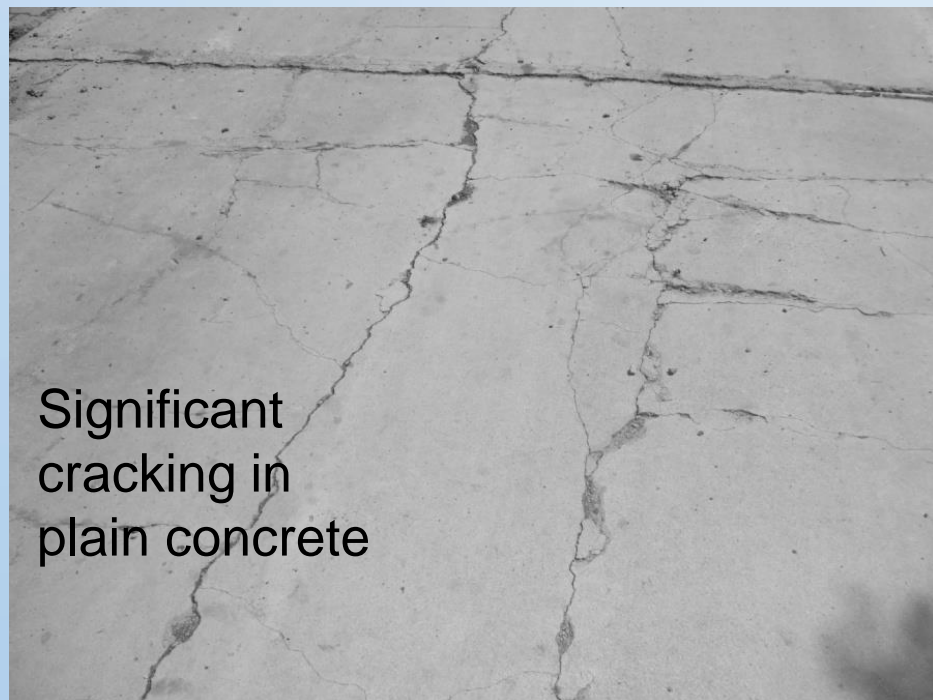


Understanding how the use of various types of fibres can control the cracking in concrete systems

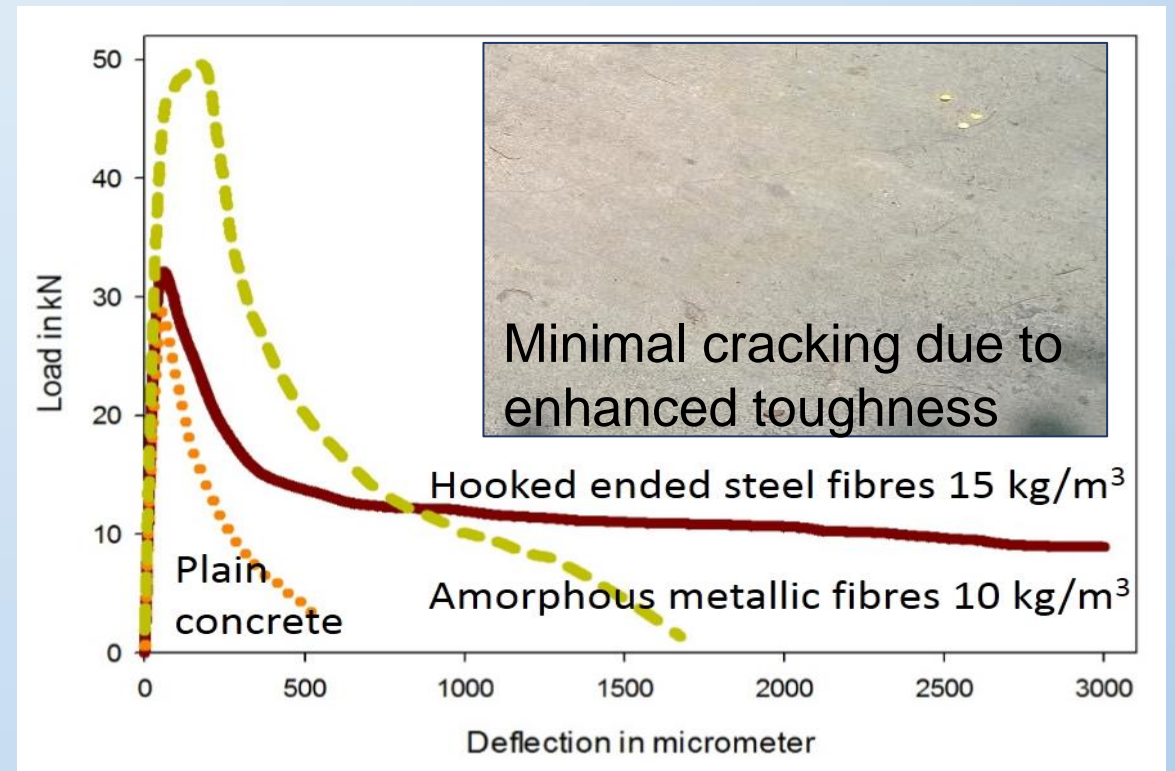
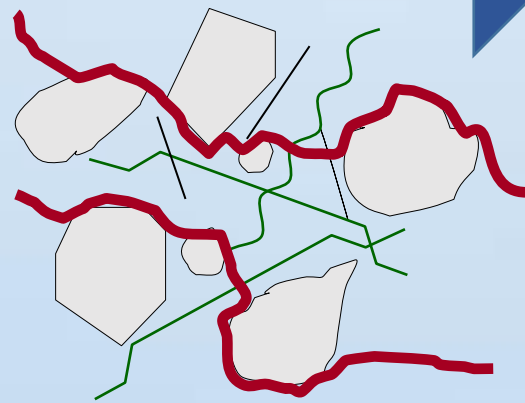


What fibres do to concrete behavior?

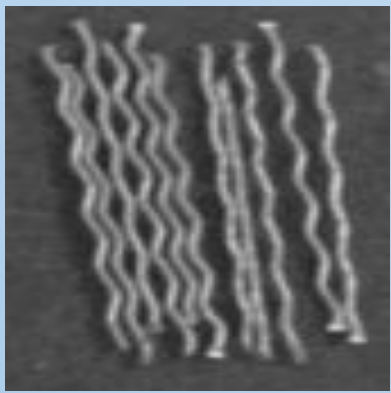
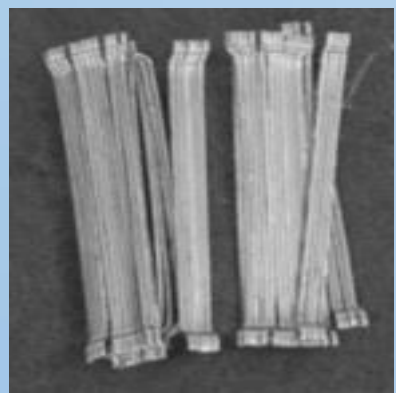


Significant cracking in plain concrete

Add fibres to concrete to control cracking



Types of fibres available



Some Potential applications



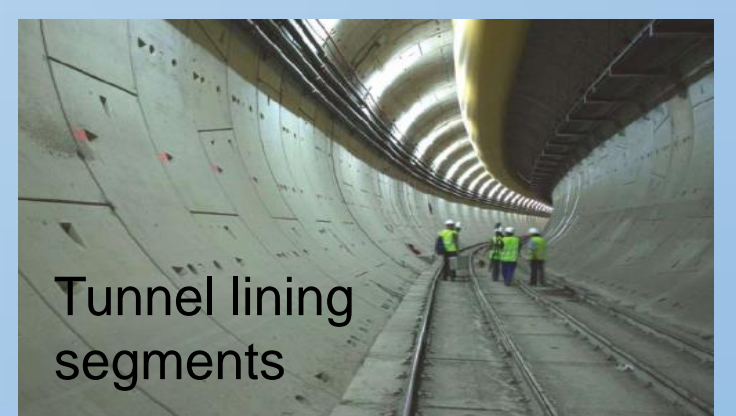
Container yard slab



Warehouse flooring



Pavement slab in IIT Madras

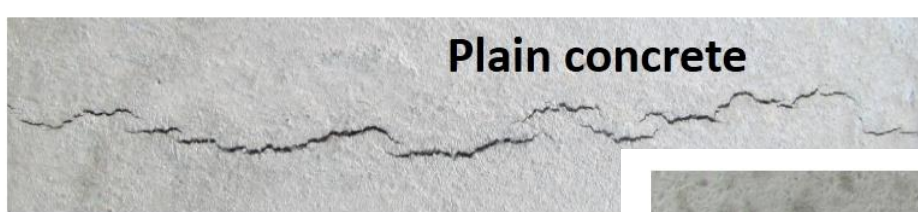


Tunnel lining segments

Research in fibre reinforced concrete (FRC) at IIT Madras



Flexural toughness testing of beams and slabs



Plain concrete



FRC with PAN fibres

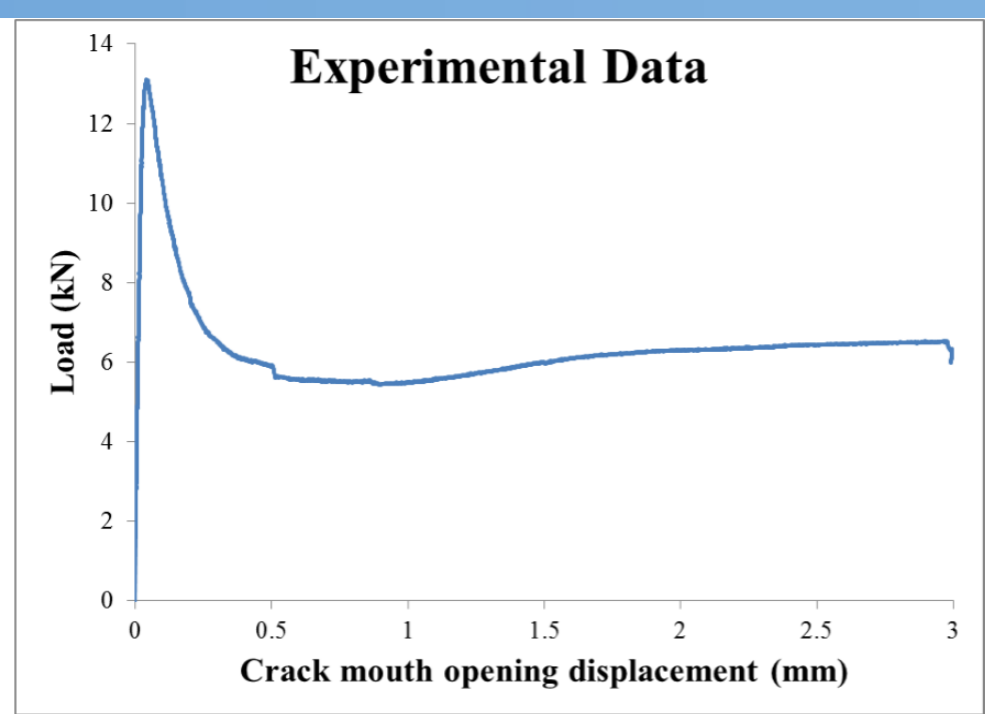


FRC with glass fibres



Compression and flexural creep testing

Early-age shrinkage testing



Analytical modelling

