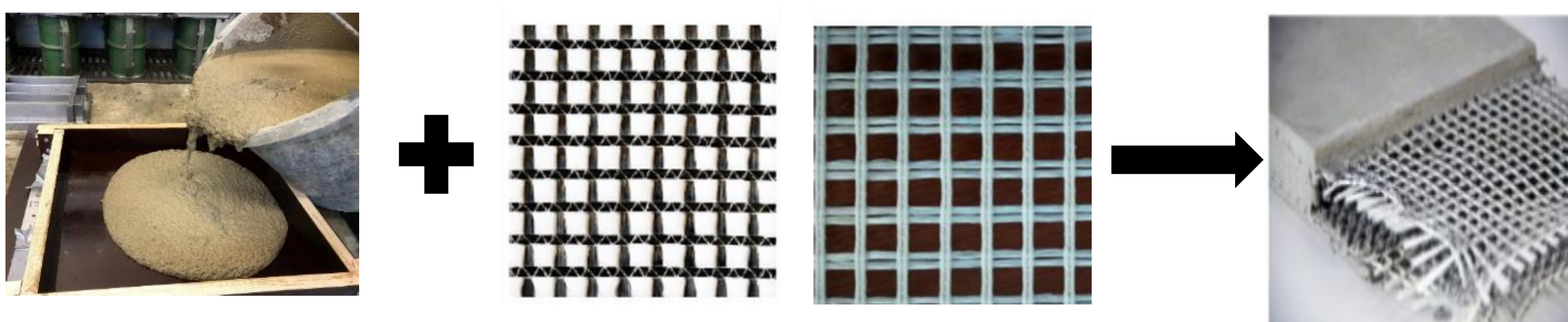


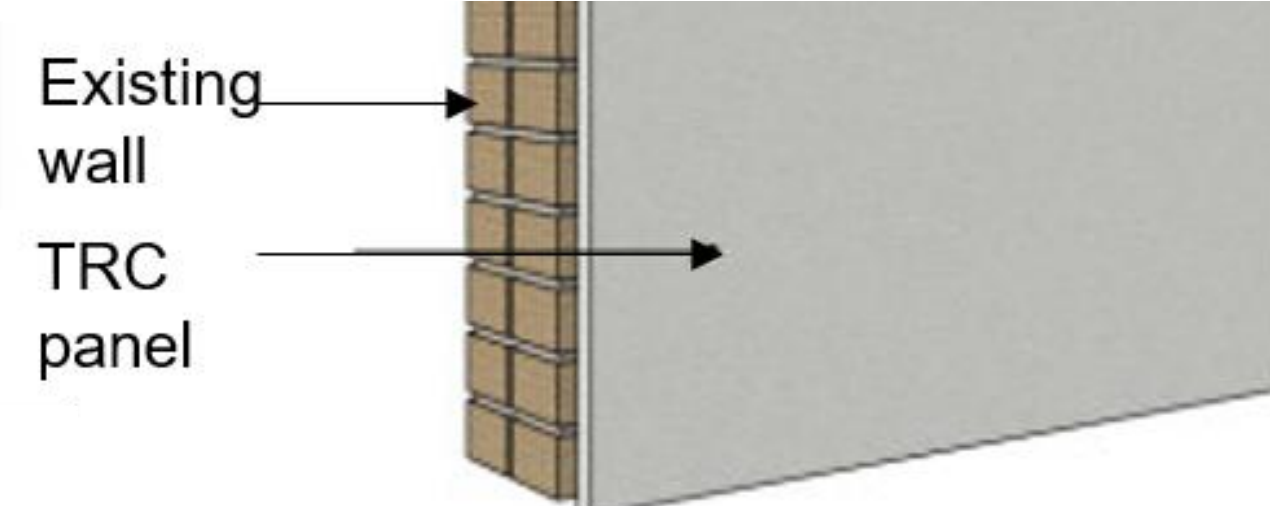


Textile Reinforced Concrete under high-velocity impact loading: experimental and numerical investigation

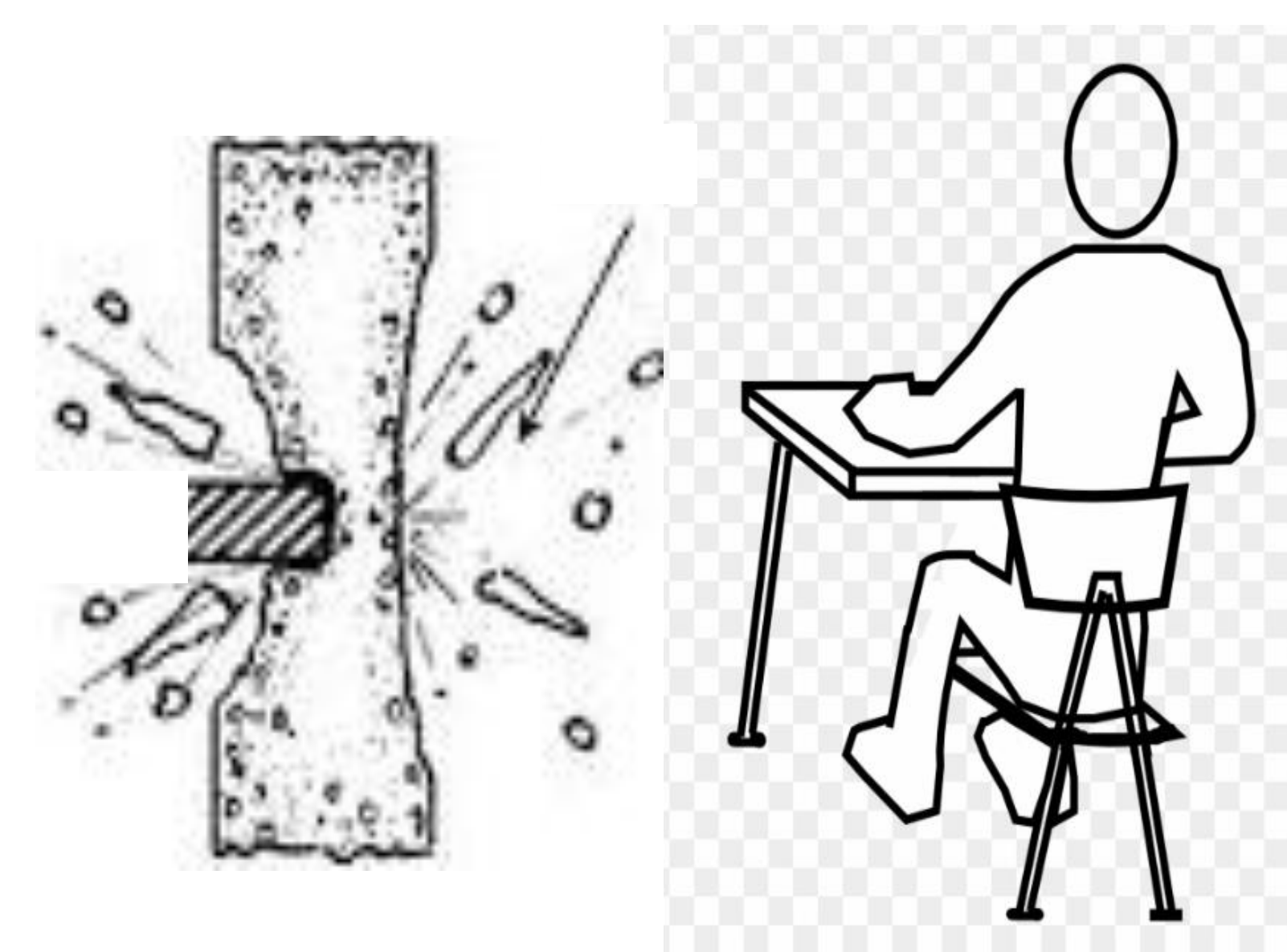
What is Textile Reinforced Concrete (TRC)



Application of TRC



Why impact resistance of TRC is important (Safety, resilience)

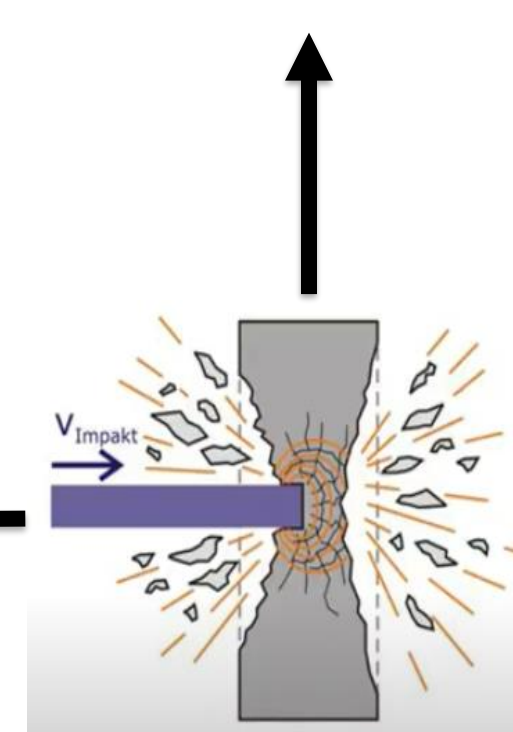


How to make TRC more efficient to resist impact loads

Textiles: Carbon, Glass, Basalt, and Steel

Strength of concrete
Low strength and UHPC

Projectile velocity

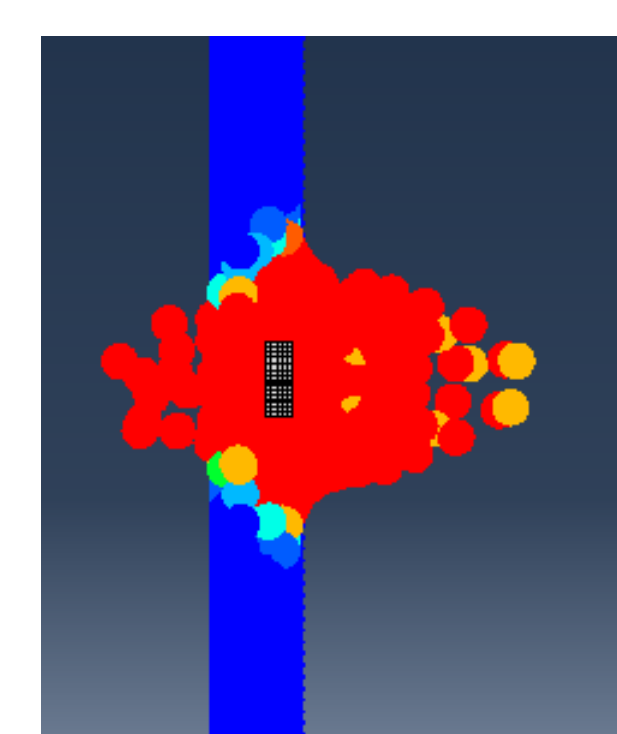


Minimize fragments and fracture

How can this be achieved



Laboratory Testing



Numerical Modelling