



# TECHNICAL DATA SHEET

## Adfil-Ignis



◀ 0.18mm

6mm & 12mm



### Product Description

Adfil-Ignis is a specialty fibre that provides good bonding and long term durability and increases the toughness of the concrete. The fibre is designed to reduce spalling of concrete in hydrocarbon fibre situations allowing for safer evacuation.

### Applications

- Tunnel linings where explosive spalling is a possible issue.

### Features

- Corrosion free
- Internationally proven performance
- Degradable bag
- Acid and Alkali resistant
- Mono-filament fibre

### Benefits

- Easy to use and finish
- Ability to tailor product to meet specific project requirements
- Degradable bag means less handling and wastage
- Lower carbon footprint compared to steel
- Saves the contractor time and money
- Improves site safety
- High durability and ductility
- Increase load bearing capacity and flexural toughness
- Control shrinkage cracking
- Reinforce concrete multi-directionally

### Dimensions

- Length: 6mm and 12mm
- Diameter: 0.18mm
- Aspect ratio (l/d): 56
- Quantity of fibres: 720,000,000 fibres/kg
- Shape: Formed extrusion

### Properties

- Tensile strength (Mean): 600 MPa (+/- 7.5%)
- Young's Modulus: 9.5 GPa
- Specific gravity: 0.91

### Compliance



### Certificates



### Packaging/Storage

- 1kg mulchable bags = 20 x bags per box
- 30 boxes per pallet

