



### Product Description

Durafiber G is a glass fiber additive fibres to reduce the occurrence of plastic shrinkage and plastic settlement cracking, whilst enhancing the surface properties and durability of hardened cementitious products. The fibres are extremely fine, single filaments, measuring 18 microns in diameter, cut to lengths of 3, 6, 12 and 18 mm, in accordance with maximum aggregate size considerations and surface appearance requirements. The fibres are coated with surfactant to improve initial dispersion and bond.

### Uses

- Internal Floor Slabs
- Water Retaining Structures
- Concrete Buildings
- Repair Materials
- External Hard Standings
- Pattern Imprinted Concrete
- Bridges
- Precast Concrete
- Fire Resistance
- Extruded Concrete
- Agricultural Areas
- Piling Concrete
- Shotcrete/Gunit

### Advantages

- Reduced Plastic Shrinkage Cracks
- Reduced Plastic Settlement
- Reduced Bleeding & Significant lower brittleness
- Alternative to Crack Control Mesh
- Reduced Water & Chemical Permeability
- Reduced Explosive Spalling in Fire
- Increased Abrasion Properties
- Increased Impact Resistance
- Improved Freeze/Thaw Resistance

### Mixing

Fibres should ideally be added at the batching plant; although in some instances this may not be possible and addition at site will be the only option. If mixing at the batching plant, fibres should be the first constituent, along with half the mixing water. After all the other ingredients have been added, including the remaining mixing water, the concrete should be mixed for a minimum of 70 revolutions at full speed to ensure uniform fibre dispersion. In the case of site mixing, a minimum of 70 drum revolutions is highly recommended

Tensile Strength : [N/mm<sup>2</sup>] 300 – 400

Elongation : > 80%

### Dosage

The recommended dosage rate is 0.60 kg Bag per cubic meter of concrete

### Packing

600 g/Bags

### Storage Conditions

Boxes of fibres must be stored on a clean surface, in dry conditions under cover and away from the possibility of damage

by agel chemicals

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