

# AddChem Fiber Glass®



## Description

**AddChem Fiber Glass®** is a monofilament Glass fibers chopped from type E of glass.

The fibers are coated with Silane based to sizing improve initial dispersion and bond.

The fibres are extremely fine, single filaments, measuring 13 microns in diameter, cut to lengths of 6, 12, 18 and 24 mm, in accordance with maximum aggregate size considerations and surface appearance requirements.

## Advantages

- Reduced Plastic Shrinkage Cracks.
- Low static and low fuzz.
- Fast and good dispersion in resins.
- Good processing and excellent mechanical properties.
- Alternative to Crack Control Mesh.
- Reduced Water and Chemical Permeability.
- Low Viscosity and excellent flowability of the paste.
- Increased Abrasion Properties.
- Increased Impact Resistance.
- Improved Durability.

## USES

**AddChem Fiber Glass®** are used in the following

- Maintain the workability of concrete.
- Extend working time of concrete.
- Be used in mixes with low cohesion.
- External Hard Standings.
- Pattern Imprinted Concrete.
- Bridges.

- Precast and Extruded Concrete.
- Agricultural Areas.
- Piling Concrete.
- Shotcrete/Gunite.

Technical Properties	
Colour	Natural
length	6, 12, 18, and 24 mm
Diameter	13 ± 10% micron nominal
Design	Monofilament Fiber
Base	Glassfiber

## Packaging

**AddChem Fiber Glass®** 0.9 Kg of fibers is packed in either plastic or degradable paper bags, where one bag of fibers is the required amount of product for one cubic meter of concrete. Bagged fibers are placed in big plastic bags for ease of handling.

### Dosage

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 fiber dispersion. In the case of site mixing, a minimum of 70 drum revolutions is highly recommended.

### Warehouse Conditions

**AddChem Fiber Glass®** must be stored on a clean surface, in dry conditions under cover and away from the possibility of damage.

### Quality, Environmental & HS

**AddChem Fiber Glass®** is Non-Toxic under relevant health and safety code. Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

### Technical support

For any technical support, please contact IChem technical office or representatives.

