

# Comtech Fiber 120

Polypropylene fiber for reinforcing sprayed and cast concrete.

## Description:

**Comtech Fiber 120** is an extruded fiber to be used with concrete to reduce the occurrence of plastic shrinkage and plastic settlement cracking.

The ability of good dispersing of **Comtech Fiber 120** in the concrete mix can improve the toughness and ductility of the material.

**Comtech Fiber 120** can maximize concrete service life by providing superior resistance to attack from damaging environmental elements such as water, chlorides and corrosive environments such as sewerage conduits and/or saline water.

## Primary uses:

- Shotcrete / Guniting
- Precast concrete.
- Cast in situ concrete.
- Concrete floors to minimize cracks.
- Repair Materials.

## Standards:

ASTM C1116 / C1116M

EN 14889-2

## Advantages:

- Premeasured quantity of 600gram.
- Easy to use either at the batching plant or on site concrete mixer truck prior to casting.
- Reduced Bleeding.

## Method of use:

**Comtech Fiber 120** 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, **Comtech Fiber 120** 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.

**Packaging and sizes:**

Mainly two size of 6mm and 12mm.

0.6 Kg of **Comtech Fiber 120** are packed in degradable paper bags.

Bagged **Comtech Fiber 120** fibres are placed in boxes for ease of handling.

**Technical Data:**

Material	Polypropylene 100%
Specific gravity	0.91 gram/cm <sup>3</sup>
Tensile strength N/mm <sup>2</sup>	300-400
Absorption	Nil
Alkali resistance	100%
Design	Monofilament
Dosage	Should be determined by site trials depend on requirements.

The normal safety precautions (hand gloves & safety goggles) are recommended for handling.

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.

WARRANTY STATEMENT: The information given here is based on our knowledge, and we believe it to be true and accurate.

We assume no responsibility for the use of these information, recommendations or suggestions.

Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.



9001:2015



14001:2015



**Health and safety:**

**Comtech Fiber 120** does not classified in the hazardous materials; however it should not be allowed to swallow.