

ISOTEC FIBER GLASS[®]

ISOTEC

Monofilament Glass Fibers

FEATURES

ISOTEC 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 18, 12, 6 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.

APPLICATION

ISOTEC FIBER GLASS[®] are used in the following

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

PACKAGING

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.

PRODUCT DATA

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

Storage

ISOTEC FIBER GLASS[®] must be stored on a clean surface, in dry conditions under cover and away from the possibility of damage.

Method of Use

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.

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Health, safety & environment

ISOTEC 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.

Legal Notes

The information provided in this data sheet, are given in good faith based on our current knowledge and experience of the product when properly stored, and applied by professional applicator, and under normal conditions in accordance with the mentioned recommendations. In practice under actual site condition differences are such that no warranty can be issued nor any liability can be taken, arising out of any legal relationship whatsoever. The product must be tested onsite to check its suitability for the intended application and purpose



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