

ISO FIBER 1012

Product Data Sheet

Description:

ISO FIBER is a unique, monofilament polypropylene fibers. The fibers are coated with Silane based on sizing to improve initial dispersion and bond.

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

Uses:

ISO FIBER is used primarily as plastic shrinkage crack reinforcement in concrete.

- internal floor slabs
- Commercial Slab-on-Ground
- Decks and patios
- Water retention tanks
- Pool decks
- Stucco
- Precast products
- Tunnel linings
- Bridges

Advantages:

- Uniform distribution throughout the concrete mix
- Excellent finish ability
- Excellent reduction in plastic shrinkage and settlement cracking
- Measurably reduces permeability, thus increasing freeze-thaw durability
- Increases concrete durability - including impact and abrasion resistance and fatigue strength
- Delivered to site pre-mixed



Technical Properties:

Material :	Polypropylene.
Alkali Resistance :	Excellent.
Melting Point:	320 °F (160 °C).
Electrical Conductivity:	Low
Length :	12 mm
	6 mm

Application and Mixing:

Typically, no modifications to the mixture proportions are required when the product is used at the engineered dosage of (0.9 kg/m³). ISO FIBER can be introduced into the mixing system at any time except when the cement is being introduced. Mixing time will vary based on when the fibers are introduced to the mixer. The normal range is 4-6 minutes of mixing with the higher speed of mixing when the fibers are added after all of the standard ingredients have been introduced and mixed.



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Cleaning:

Clean all the tools with water immediately after use. Hardened materials can be removed mechanically only.

Packing:

- Package: 600g of 12mm fibers.
- Package: 100g of 6mm fibers.

Storage:

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in air-conditioned environment.

Shelf life:

Shelf life is up to 60 months when stored as per recommendations.

Health and Safety:

As with all construction chemical product, caution should be always exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally allowed, do not induce vomiting, but call for medical assistance immediately.



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