



FIBRATOP

POLYPROPYLENE FIBER

Polypropylene fiber for mortars and concrete



FIBRATOP are 100% modified polypropylene fibers, designed to increase strength, durability and prevent cracking of the concrete and mortar with which they are mixed.

Thanks to their multifilament structure, their dispersion is homogeneous and three-dimensional, allowing maximum compaction to be achieved, reinforcement of the concrete and avoiding the appearance of micro-cracks, by binding between the surface and the concrete matrix.

FIBRATOP cavities compensate this pressure in hot concrete (up to 200°C). Before the fibers reach the melting temperature (approx. 170°C), FIBRATOP provides vapor permeability, compensating the pressure produced on the concrete reducing the spalling effect.

Application

- Tunnels, bridges, roads.
- Foundations.
- Fire resistant retaining walls.
- Concrete pavements.
- Mortar pavements.
- Prefabricated elements.

Advantages as a complement to concrete

- Cracking resistance
- Flexural strength
- Impact resistance
- Abrasion resistance

Technical data

Composition	100% polypropylene
Chemical resistance	Inert to alkalis and acids in general
Elongation	< 80 %
Density	0,90 g/cm ³
Length*	6 and 12 mm
Melting temperature	163-170° C
Fiber cross section	Circular

Consumption

Its approximate yield is 600 gr/m³ of concrete or mortar.
Available in 500, 600 and 1000 gr. formats.

Instructions for use

Restrictions:

- Those of the concrete or mortar to which it is mixed.
- It does not replace the reinforcement of the construction element.
- It does not prevent cracks due to poor sizing or shrinkage due to drying.

Mixing:

1. It is added directly to the concrete mixer, once all the components of the concrete have been incorporated. In no case mix directly with the concrete water.
2. Increase the final mixing time by approximately 5 minutes, to allow the bag to decompose in its interior when reacting with the alkaline components of the concrete.
3. Spread the concrete or mortar according to the usual technical specifications, respecting all the joints and singular points of the constructive element.

Special precautions

For any specifications or data relating to safety and hygiene during application, handling, storage and use of the application, handling, storage and use of the product, as well as disposal in case of inappropriate contact, the safety data sheet of the product should be consulted. It contains all information concerning safety, toxicity, ecology, physical and chemical properties, as well as recommendations for first aid and other regulatory regulations. The products are not classified as dangerous goods under the Directives and Agreements. In countries outside the European Union, it is also the responsibility of each country to comply with the respective legislation on packaging, labelling and transport.

Packaging

It comes in water-soluble paper bags of 600 gr. and in boxes with 20 bags.

Storage conditions

The product should be stored in its original closed container and protected from weather and humidity at temperatures between 10°C and 30°C, in a dry and well ventilated place, away from sources of heat and direct sunlight. The shelf life is 1 year from the date of manufacture, if properly stored.

The product should not be used for purposes other than those specified, without first receiving written instruction from written instruction for its handling. It is always the responsibility user to take the appropriate measures in order to comply with the requirements of the legislation. The product's Safety Data Sheets are available to the professional.



El producto no debe utilizarse para fines distintos a aquellos que se especifican, sin tener primero una instrucción por escrito, de su manejo. Es siempre responsabilidad del usuario tomar las medidas oportunas con el fin de cumplir con las exigencias establecidas en las legislaciones. Quedan a disposición del profesional las Hojas de Datos de Seguridad del producto.

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