



# FIBERTEK NG

High-performance extruded monofilament synthetic fiber macro for concrete



## DESCRIPTION

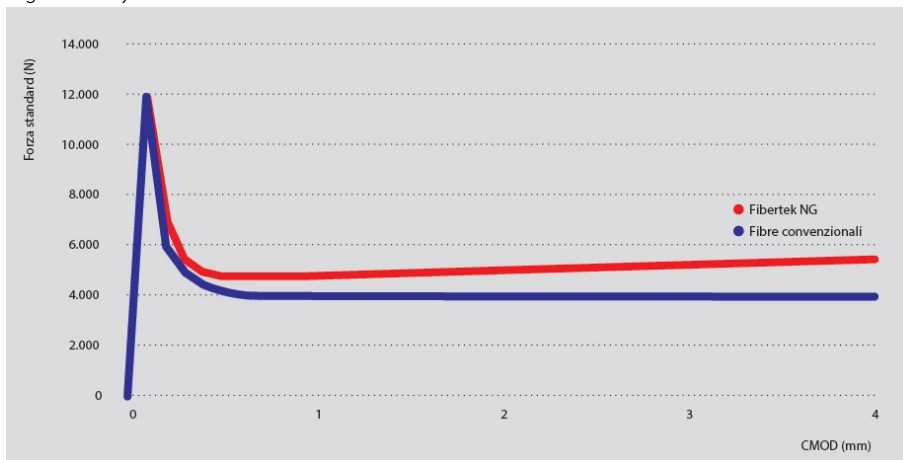
FIBERTEK NG is an extruded single-strand synthetic macro-fiber with high toughness and stability. The reinforcing system that is created, using these fibers, is three-dimensional and allows the resulting fibro-reinforced concrete to withstand the impacts perfectly, resulting in a perfect resistance to aggressive agents (resistant to each exposure class according to EN 206 and UNI 11104), magnetic and shocks. It increases the ductility and durability of concrete.

## GENERAL CHARACTERISTICS

FIBERTEK NG by its nature is resistant to alkalis, absolutely non corrodible, resistant to abrasion, atmospheric agents, and chemicals, to molds, to microorganisms, and to high temperatures. It contributes to improving the properties of concrete. toughness, or the residual post-crack resistance, an important resource to counter the propagation of cracks, especially in a dynamic regime.



*High ductility in the concrete*

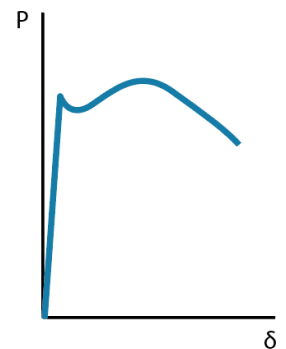


## FIELDS OF EMPLOYMENT

FIBERTEK NG, thanks to its easy use and excellent distribution within concrete, is used in:

- Internal concrete floors (to prevent corrosion inside the concrete, to avoid electromagnetic disturbances that may cause interference to the equipment);
- External concrete floors (to prevent corrosion inside the concrete, avoid electromagnetic disturbances that may cause interference to the equipment);
- Concrete floors for stables (to prevent corrosion inside the concrete, safe for animals);
- Parking lots, airport runways, roads and sidewalks;
- Prefabricated panels, curtain walls, fences, road barriers.

*High ductility in the concrete*





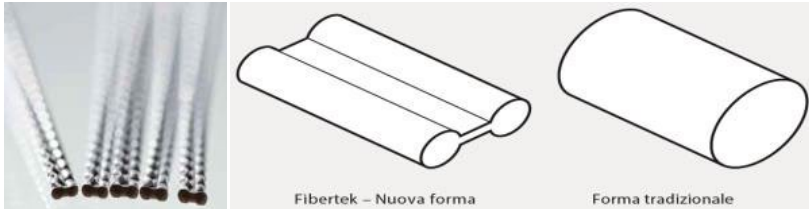
## ADVANTAGES

Excellent:

- Price/quality ratio
- Alternative to reinforcements
- Flexural strength
- Shock resistance
- Durability
- Corrosion resistance (no corrosion)
- Improved tensile strength
- Resistance to alkaline environments
- Resistance in extremely humid environments
- Ductility
- No electric and/or magnetic conduction

## TECHNICAL CHARACTERISTICS

Nature:	modified PP
Length:	48 mm ± 2 mm
Equivalent diameter:	0,7 ± 0,03 mm
Form:	increased innovative surface



Number of fibers / kg:	58714
Specific weight:	0,92 g/cm <sup>3</sup>
Melting temperature:	165 °C
Ignition temperature:	> 360 °C
Ratio to length/diameter:	69 ± 7 mm
Elastic module:	5740 MPa - 574
Tensile strength:	417 MPa - 31
Resistance to alkalis:	total
Resistance to acids:	total
Resistance to salts:	total
Absorption:	none

## METHOD OF USE

FIBERTEK NG fibers must be introduced together with raw materials during concrete preparation. The special biodegradable film packages allow an easy and fast dosage. The melting of the film in contact with water allows an excellent dispersion of the fibers inside the dough, ensuring homogeneity and repeatability of the doughs.

The dosage is generally between 3 and 6 kg / m<sup>3</sup>, depending on the project.

Our technical service is at your disposal to determine the optimal dosage according to the final use of the work.

## PACKAGING

3kg bags containing fiber packs wrapped in hydrosoluble film  
210 bags per pallet of 630 kg

## STORAGE

They can be stored for a long time, protected from rain.





## CERTIFICATIONS

The fiber is CE certified for structural use according to EN 14889-2.

## WARNINGS

FIBERTEK NG fibers are made of polypropylene polymer and classified as inert, harmless and not damaged by most chemical agents.

Furthermore, they are not dangerous or harmful from an environmental point of view.

## LEGAL WARNING

The information contained in this data sheet, while representing the current state of knowledge, do not release the user from the accurate preliminary tests in their conditions of employment and exercise. We assume no responsibility for the improper use of the product.

