

# DRYFIBERS 120

## SYNTHETIC FIBERS FOR CONCRETE



### PRODUCT DESCRIPTION

Dryfibers 120 is a multifilament polypropylene micro-fiber that carries the CE marking. With a length of 12 mm, it is designed for incorporation into various cementitious materials. The addition of Dryfibers 120 to the mixture serves to mitigate plastic shrinkage cracking in concrete. Additionally, it offers several advantages, including enhanced workability, resistance to frost/thaw cycles, improved impact resistance, and increased overall impermeability.

### AREA OF APPLICATION

Underlayment screeds (including those equipped with radiant heating systems), thin pours, small precast elements, concrete floors, cement-based toppings, and concrete structures in general, also in combination with traditional steel reinforcement.

### DOSAGE

Varies based on the type of work to be done (screeds, renders, mortars), typically ranging from 0.6 to 0.75 kg per cubic meter of cementitious or hydraulic lime-based materials.

### APPLICATION METHOD

Add the fibers to the cementitious material during mixing. Mix, with the concrete mixer drum at full speed, for at least one minute for each m<sup>3</sup> of material. The dosage, depending on the application, is normally between 600 g/m<sup>3</sup> and 750 g/m<sup>3</sup>.

### HEALTH AND SAFETY

Remember that the user is required to read the most recent Safety Data Sheet for the product, containing chemical-physical and toxicological data, risk phases, and other information to be able to transport, use, and dispose of the product and its packaging safely. Remember not to disperse the product and its packaging in the environment.

### STORAGE

Store the product in its original packaging in a cool, dry place, protected from frost and direct sunlight. It is sensitive to moisture.

The technical and performance data outlined in this document are the result of laboratory tests conducted in controlled conditions and may be significantly modified by actual use and application conditions. Preliminary tests should be conducted under real usage conditions.

The user is required to check the most recent material safety data sheet for the product, containing physicochemical and toxicological data, risk phrases, and other useful information on how to transport, use, and dispose of the product and its packaging. Furthermore, the product and its packaging should not be dispersed in the environment for any reason.

The addition of fibers may slightly modify the rheology of the cement mix. To restore the original fluidity, if necessary, use only specific water-reducing additives. It is not advisable to add water to the mix.

### PACKAGING

Available in Biodegradable bag of 0.6 kg - Box: 75 x (Biodegradable bag of 0.6 kg)

## TECHNICAL SPECIFICATIONS

Specific weight	0.91 g/cm <sup>3</sup>
Length	12 mm
Diameter	0,027 mm
Lifespan	unlimited
Flammability	Not inflammable
Auto ignition temperature	> 400 °C
Effects on the consistency of fresh concrete (Vebè) (1 kg/m <sup>3</sup> )	2.5 s
Flashpoint (ASTM D 1929)	350 °C
Longitudinal elongation at break	28 %
Softening point	160-170 °C
Tenacity	47.99 cN/tex
Unitary weight	5.05 dTex

## CERTIFICATIONS



EN 74889-2:2006 (System 3)

Fibres for concrete - Polymer fibers - Definitions, specifications, and conformity.

**DRYKOS Srl**

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