



RDM.0319

READYMESH PF-180

Monofilament stranded macro-fibre structural for micro-concretes

Customs Code

5404 1200

Packaging

- Hydro degradable bag 1 kg
- Box: 7 x (Hydro degradable bag 1 kg)
- Pallet: 40 x (Box 7 Kg)

Application

- To be added to other components

Family
Readymesh

Product Lines
• **Infratech**
• **Floor**

Components
Single-component

Type
Synthetic fibres for concrete

Functional Categories
• **Improvement of mechanical and/or rheological performance of newly manufactured mortars, plasters and concretes**
• **Construction of subbase and self-leveling screeds**
• **Prefabrication**

Appearance
Twisted fibers

General description

READYMESH PF-180 is a stranded structural polyolefin macro-fibre, high-performance, with a length of 18 mm, specific for the realisation of micro-concretes. The texture, length and surface finishing of READYMESH PF-180 was designed and developed specifically for "exposed" applications.

General features

The addition of READYMESH PF-180 to the mixture gives the concrete and the resulting manufacture a greater resistance to the forces of traction/bending, reduces the risk of breakage, drastically reduces the phenomenon of cracks due to shrinkage during the first hours of curing of the product.


Dosage

Variable according to the type of work to be carried out (screeds, plasters, mortars), on average from 1 to 6 kg per cubic metre of cement conglomerate.


Fields of application

Structural reinforcement for very high-performance micro-concretes. Prefabrication. Widespread three-dimensional high anisotropy reinforcement of concretes in general.

Basic features

 Density:
0.91 g/cm³


 Diameter:
0.48 mm

 Length:
18 mm

 Nonflammable

 Unlimited shelf-life

 UV-resistant

 Available colours
White

Technical specifications

Auto-ignition temperature: >400 °C

Breaking load longitudinal: 516.9 MPa

Number of filaments: 330000 nr/kg

Young modulus: 5.37 GPa

Applicable on

Concrete, Cement-based or lime-based mortars



www.azichem.com

Updated: **24/08/2020**

General sales conditions and legal notices on

www.azichem.com/disclaimer

Instructions for use

Add the fibres to the cement conglomerate during mixing. Mix, with the drum of the cement mixing lorry at full speed, for at least one minute for each m³ of conglomerate. The dosage may vary depending on the use.

Storage and preservation

Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Protect from humidity.



Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

READYMESH PF-180 is produced/distributed by



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