



Family  
**Readymesh**

Product Lines  
• **Opus**  
• **Floor**

Components  
**Single-component**

Type  
**Synthetic polypropylene fibres**

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

Appearance  
**Fibers**

RDM.0221

## **READYMESH PM**

Multi-filament fibre for lime based plaster, cement or mixed

### **Customs Code**

5503 4000

### **Packaging**

- Hydro degradable bag 1 kg
- Hydro degradable bag 0.6 kg
- PM-060 Box: 12 x (Hydro degradable bag 1 kg)
- PM-180 Box: 12 x (Hydro degradable bag 1 kg)
- PM-120 Box: 12 x (Hydro degradable bag 1 kg)

### **Application**

- To be added to other components

## **Certifications and legislations**



**EN 14889-2:2006 (System 3)**

Fibres for concrete. Polymer fibres. Definitions, specifications and conformity.

## **General description**

READYMESH PM is an auxiliary, multi-filament polypropylene micro-fibre suitable for addition to cement conglomerates with a lime or mixed base. The addition of READYMESH PM to the mix counters the cracking phenomenon due to plastic shrinkage of the plaster, mortar, screed or concrete, as well as having positive effects on the durability of the mix, resistance to frost/thawing and resistance to knocks and overall impermeability. READYMESH PM have the CE marking and are available in three different lengths: READYMESH PM-060 = 6 mm; READYMESH PM-120 = 12 mm; READYMESH PM-180 = 18 mm.

## **Dosage**

Variable according to the type of work to be carried out (screeds, plasters, mortars), on average from 0.6 to 1.5 kg per cubic metre of cement or hydraulic lime based conglomerate.

## **Fields of application**

READYMESH PM is an auxiliary fibre used in a multitude of application fields, where three-dimensional reinforcement and diffusion of the cement conglomerate and/or lime base is required. It is a particularly indicated fibre for addition to small manufactured works or for plaster, even in small thickness and with reduced granulometry inerts.

## **Basic features**



Density:  
*0.91 g/cm<sup>3</sup>*



Nonflammable



Unlimited shelf-life



Available **colours**  
White

## **Technical specifications**

*Auto-ignition temperature: > 400 °C*

*Flash-point (ASTM D 1929): 350 °C*

*Non-toxic material*

*Softening point: 160 - 170 °C*

## **Applicable on**

Plasters, Concrete, Cement-based or lime-based mortars, Floor screed



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## Instructions for use

Add the fibres to the conglomerate during mixing. Mix, with the drum of the cement mixer at full speed, for at least 5-6 minutes. The dosage, based on use, is normally between 600 g/m<sup>3</sup> and 1.5 kg/m<sup>3</sup>. On average, 250 g of fibres per 200 litre building site cement mixer. The addition of fibres could slightly modify the rheology of the cement mix.

## Storage and preservation

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



### Features of the different READY MESH PM models:

Fiber model	READY MESH PM-060	READY MESH PM-120	READY MESH PM-180
Fiber length	6 mm	12 mm	18 mm
Fiber diameter	0.035 mm	0.027 mm	0.035 mm
Elongation at break	28%	-	28%
Effect on the consistency of the concrete (Vebè)	1.0 s	2.5 s	1.3 s
Unit weight	8.75 dTex	5.05 dTex	8.75 dTex
Toughness	22.71 cN / tex	47.99 cN / tex	22.71 cN / tex

## 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](http://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](http://www.azichem.com).

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



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