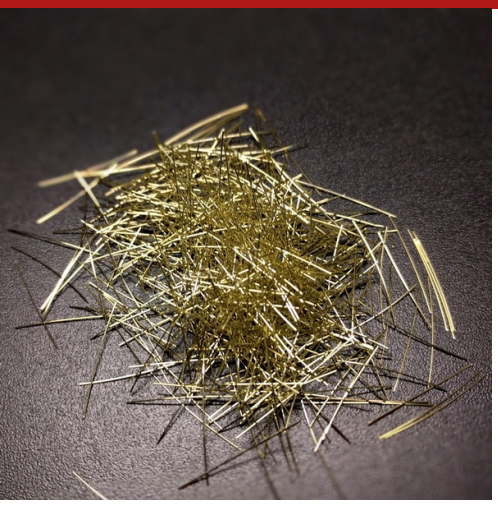
Readymesh MR

Brass-plated micro-fibres for structural cement conglomerates



Brass-plated steel micro-fibres, obtained by cutting metal wire, for structural reinforcement of cement-based conglomerates in general. Readymesh MR is a very thin brass-plated steel wire with a diameter of 0.22 mm and a length of 6 or 20 mm, mainly used for reinforcing concrete and high-performance mortars. Readymesh MR are available in two different lengths: Readymesh MR-060 = 6 mm; Readymesh MR-200 = 20 mm

CUSTOMS CODE: 7326 2000
COMPONENTS: Single-component
APPEARANCE: Fibers
AVAILABLE COLORS: Yellow Brass
PACKAGING AND DIMENSIONS: MR-060 Bag 20 kg - MR-200 Bag 20 kg - Pallet: 50 x (Bag 20 kg)

OBTAINED CERTIFICATIONS AND REGULATIONS

CE 1
EN 14889-1:2006

FEATURES AND BENEFITS

The addition of Readymesh MR improves the mechanical properties of the conglomerate in terms of ductility, mechanical performance, energy absorption, toughness, fatigue and wear resistance. They also help control the plastic shrinkage in the conglomerate (cracking) and reduce or eliminate the need for conventional reinforcements such as electro-welded meshes.

FIELDS OF APPLICATION

The Readymesh MR micro-fibres are widely used as main and unique reinforcement for low thickness structural mortars, sprayed plasters and concretes (shotcrete, spritz-beton), precast concrete products.

ALLOWED SUPPORTS

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

MODE OF USE

Readymesh MR fibres will be added to the conglomerate during mixing in a gradual manner, avoiding immediate introduction of the whole quantity of fibre required. Having introduced the Readymesh MR fibre, continue with mixing for at least another 3 minutes so that the distribution is uniform in the mixture.

APPLICATION METHODS

To be added to other components

KEY FEATURES

- Diameter: 0.22 mm
- Unlimited shelf-life
- UV-resistant
- Lenght: 6 - 13 -20 mm
- Use wearing protective gloves

TECHNICAL SPECIFICATIONS

EN 14889-1
Longitudinal elongation at break **1.5 - 3 %**

EN 14889-1
Breaking load longitudinal **> 2400 MPa**

Alkali-resistant material

EN 14889-1
Fiber density **7.85 g/cm³**

EN 14889-1
Static elastic modulus **200 GPa**

CONSUMPTION

Variable according to the type of work to be carried out and/or performance to be achieved.

STORAGE AND CONSERVATION

Avoid contact between the product and acid substances.

PHOTO GALLERY



ADDITIONAL CONTENT

Technical characteristics of Azichem Srl Readymesh MR fibers:

Fiber model	Readymesh MR-060	Readymesh MR-200
Fiber length	6 mm	20 mm
Dimensional ratio	27	90
Number of filmanets	~435'000 nr/kg	~130'000 nr/kg

WARNINGS AND PRECAUTIONS

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.

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