

# Readymesh MS-350

High-adherence steel fibres of length 35 mm



Carbon steel fibres, with a profile for improved adherence to the dimensional reinforcing, structural, of concretes in general. The addition of Readymesh MS-350 allows for considerably increasing the mechanical performance of the product in relation to tenacity, ductility and resistance to fatigue, the resistances to the dynamic stresses, the mechanical tensile and bending behaviour, even post-crack, and resistance to impact and wear.

**CUSTOMS CODE:** 7326 2000

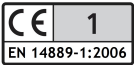
**COMPONENTS:** Single-component

**APPEARANCE:** Fibers

**AVAILABLE COLORS:** Steel

**PACKAGING AND DIMENSIONS:** Bag 20 kg - Pallet: 50 x (Bag 20 kg)

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FIELDS OF APPLICATION

Production of grouts and fibre-reinforced concretes in general, sprayed structural concretes (shotcrete). In addition, due to their contained length, the fibres Readymesh MS-350 are particularly suitable for the production of pre-cast blocks.

## ALLOWED SUPPORTS

Concrete - Cement-based or lime-based mortars - Prefabricated concrete

## MODE OF USE

The Readymesh MS-350 fibres will be added to the project concrete, during the mixing of the same. It is advisable to apply the fibres directly on the load tape in the concrete mixing plant, during the loading phase of the aggregates. Alternatively, you can insert them directly into the truck mixer at the end of the loading of the concrete. In this case, mixing should be extended for at least one minute for each m<sup>3</sup> of packaged concrete in order to achieve optimum dispersion of the fibres themselves. The dosage of steel fibres may vary depending on the final use from a minimum of 15 kg/m<sup>3</sup> to a maximum of 75 kg/m<sup>3</sup> Conglomerates with Readymesh MS-350 can be easily transported and placed on site using pumps, shotcrete machines, pavers, road extruders (type "slip form paver") etc. ; the carbon steel fibres Readymesh MS-350 can be added to the mixture during both the packaging phase and when the mixture is ready.



## APPLICATION METHODS

To be added to other components

## TOOL CLEANING

Water

## KEY FEATURES

- Diameter: 0.75 mm
- Length: 35 mm
- Unlimited shelf-life
- Hooked geometry
- Nonflammable
- Use wearing protective gloves

## TECHNICAL SPECIFICATIONS

Aspect ratio (l / d) **47**

*cls Rck30 EN 14488-5*

Deformation energy with fiber dosage 25 kg/m<sup>3</sup> > **700 J**

*cls Rck30 EN 14488-5*

Deformation energy with fiber dosage 30 kg/m<sup>3</sup> > **715 J**

Non-toxic material

Number of filaments ~**10000 nr/kg**

Breaking load longitudinal >**1100 MPa**

## CONSUMPTION

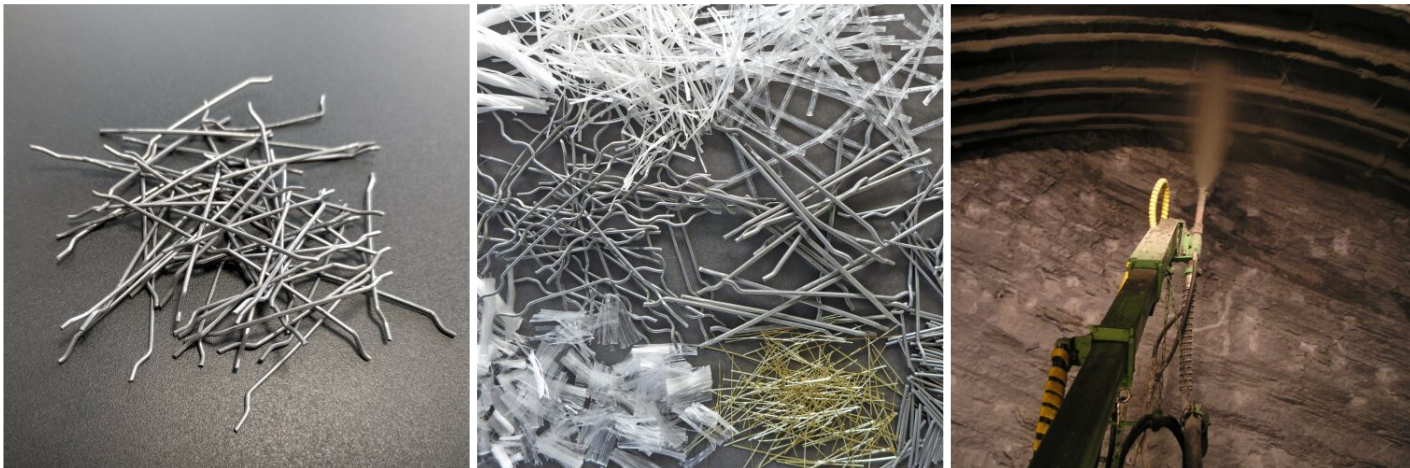
Variable according to the type of work to be carried out and/or performance to be achieved.

## STORAGE AND CONSERVATION

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



## PHOTO GALLERY



## ADDITIONAL CONTENT



## 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](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.

