



RDM.0217

READYMESH MS-350

High-adherence steel fibres of length 35 mm

Customs Code

7326 2000

Packaging

- Bag 20 kg
- Pallet: 50 x (Bag 20 kg)

Application

- To be added to other components

Family
Readymesh

Product Lines
• Infratech
• Floor

Components
Single-component

Type
Carbon steel fibres

Functional Categories
• **Improvement of mechanical and/or rheological performance of newly manufactured mortars, plasters and concretes**
• **Construction of high performance industrial concrete floors**
• **Structural maintenance of dams, reservoirs, ducts and water ducts**
• **Structural maintenance of tunnels**
• **Construction of spritz-beton**

Appearance
Fibers

General description

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.

Dosage

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


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.

Basic features

 Diameter:
0.75 mm


 Hooked geometry

 Length:
35 mm

 Nonflammable

 Unlimited shelf-life

 Use wearing protective gloves

 Available colours
Steel

Technical specifications

Aspect ratio (l / d): 47 _

Breaking load longitudinal: >1100 MPa

Deformation energy with fiber dosage 25 kg/m³ (cls Rck30) EN

14488-5: > 700 J

Deformation energy with fiber dosage 30 kg/m³ (cls Rck30) EN

14488-5: > 715 J

Non-toxic material

Number of filaments: ~10000 nr/kg

IF YOU WANT TO SOLVE IT


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Page: 1/2

Tools cleansing

- Water

Applicable on

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

Instructions for 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 m³ 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/m³ to a maximum of 75 kg/m³

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.

Storage and preservation

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.



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.

READYMESHMS-350 is produced/distributed by



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