

# Readymesh MX-500

## High performance 50mm steel fibres



Readymesh MX-500 is a special carbon steel fibre, obtained by the extrusion and cutting of high-strength steel wire. Its special double-hooked form gives it a remarkable shear strength, thus conferring the concrete with excellent post-cracking structural strength even at low doses. Readymesh MX-500 significantly increases the mechanical performance of the structure in terms of toughness, ductility, fatigue, dynamic stress, shock, wear, tensile and shear strength and even post-cracking and damage behaviour.

**CUSTOMS CODE:** 7326 2000

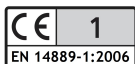
**COMPONENTS:** Single-component

**APPEARANCE:** Fibers

**AVAILABLE COLORS:** Steel

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

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FIELDS OF APPLICATION

General preparation of fibre-reinforced concrete with high pre and post-cracking performance. Ideal for industrial flooring and prefabrications.

## MODE OF USE

"Readymesh MX-500 fibres must be added to the concrete during mixing. It is recommended to pour the fibres directly onto the loading belt of the concrete mixer during the loading of the aggregates. Alternatively, it is possible to add them directly into the mixer after loading the concrete. In this case, add the fibres a little at a time so that they are well-distributed in the cement mix and extend the mixing time by at least one minute for every 20 kg of fibres added in order to achieve optimal distribution. Conglomerates with Readymesh MX-500 can be easily transported and used with pumps, joiners, vibratory finishing machines, roadway extruders (e.g. slipform paver), etc."

## KEY FEATURES

- |  |   |
|--|---|
|  Density: 7.8 kg/dm <sup>3</sup> |  Diameter: 0.75 mm             |
|  Double hook geometry            |  Length: 50 mm                 |
|  Unlimited shelf-life            |  Use wearing protective gloves |
|  UV-resistant                    |   |



## TECHNICAL SPECIFICATIONS

Static elastic modulus **210000 N/mm<sup>2</sup>**

Number of filaments **5000 nr/kg**

Breaking load longitudinal **1100 N/mm<sup>2</sup>**

Non-toxic material

Effective length **54.5 mm**

Aspect ratio (l / d) **67**

*12 kg/m<sup>3</sup>*

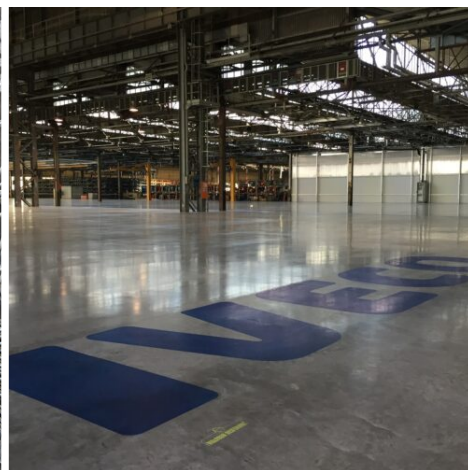
Linear development **3270 m/m<sup>3</sup>**

Nominal length **50 mm**

## CONSUMPTION

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

## PHOTO GALLERY



## ADDITIONAL CONTENT



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