

MasterFiber 236 SPA

Polypropylene macro synthetic fibers for MCP, floor slabs, screeds for heated floors, in water soluble pucks.

Material description

MasterFiber 236 SPA is an extruded polypropylene macro synthetic formed into a crimped profile.

The sinusoidal shape improves the bond within the concrete and so reduces pull-out and enhances concrete performance providing toughness and ductility to the material. MasterFiber 236 SPA, thanks to the very high alkali resistance is strongly advised for FRC to be placed in aggressive areas, where a high chemical resistance is needed, and corrosion from chlorides can happen.

MasterFiber 236 SPA can be easily dispersed in the concrete mix to ensure a homogeneous FRC.

Fields of application

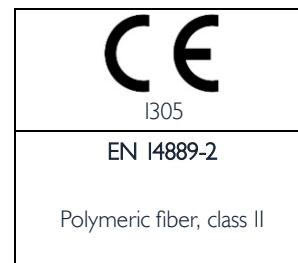
MasterFiber 236 SPA can be used in many construction applications. They include:

- internal/external floor slabs,
- concrete slabs for aesthetic and industrial paving,
- non structural precast concrete elements/MCP,
- screeds for heated floors in partial or total replacement of continuous reinforcement.



Macro synthetic fibres MasterFiber 236 SPA

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 14889-2 and the relative DoP (Declaration of Performance).



Dosage

Can range from 1.5 to 5.0 kg/m³.

However, dosage rates are dependent on the specific application.

The use of macro synthetic fibre MasterFiber 236 SPA as a replacement of the structural steel reinforcement can be done according to the DM. 17/01/2018 (Norme Tecniche per le Costruzioni) e Circolare n. 7/2019

For further advice or before using, contact Master Builders Solutions Italia Spa Technical Services Department.

Packaging and storage

The standard packaging for MasterFiber 236 SPA is available in 50 gr puck in a plastic bag of 6 kg in weights to suit dosing into the mixer. Please store in a dry place.

Material is very stable, no foreseen hazards. Protect against fire.

Directions for use

MasterFiber 236 SPA is best dispersed when added after water and admixture, preferably during the aggregates load on the loading belt in the ready mix plant. If a forced action pan mixer, or equivalent, is used MasterFiber 236 SPA are added after all the concrete ingredients. We advise to mix for 5 min. in order to assure a homogeneous concrete.

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Technical Information	
Fiber class	II
Water adsorption	Null
Alcaly Resistence	High
Number of fibres per kg	Approx. 70000
Melting point (° C)	155-165
Decomposition temperature (°C)	280
Essential characteristic in accordance to EN 14889-2	
Performance	
Type of polymer	Polyolefin
Colour	Colourless
Density [kg/m ³]	910
Longitudinal shape	Wavy
Section shape	Irregular
diameter [mm]	0.75
Length [mm]	29
Length / Diametre Ratio	39
Toughnesses index (N/mm ²)	469
Elastic modulus (N/mm ²)	3250
Effect on the consistency of the concrete [fiber dosage in kg / m ³ , Vebe time in s with fibers]	5 11.5

Compatibility

MasterFiber 236 SPA is compatible with all the other admixtures manufactured by Master Builders Solutions Italia Spa. MasterFiber 236 SPA is strongly advised in combination with MasterGlenium PAV, for industrial floor slabs, with MasterGlenium SKY, MasterEase for ready-mix and MasterGlenium ACE for precast concrete.

Safety information

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

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Other services

For additional technical information, brochures, references, technical reports and technical support please visit www.master-builders-solutions.com/it-it or alternatively contact infomac@masterbuilders.com.

Scan QR code to visit the product page and download the latest version of this technical data sheet and any additional documentation.



Disclaimer

Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

For further information, please consult the local Technician of Master Builders Solutions. The technical advice on how to use our products, either written or verbally given, are based on the current state of our scientific and practical expertise, and does not imply the assumption of any guarantee and/or responsibility for the final results of works executed using our products.

Therefore, the customer is not exempted from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes.

This version supersedes all the previous ones.

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