PaviCret

TECHNICAL DATA

REFORDUR AFC

100% polypropylene fiber

Reinforcement element for mortars and concretes

Description

REFORDUR AFC are 100% modified polypropylene fibres, designed to increase strength, durability and prevent cracking of concrete and mortars.
Thanks to its multifilament structure, its mass arrangement is homogeneous and three-dimensional, which allows maximum compaction to be achieved, ensuring the reinforcement of the concrete/mortar and avoiding the appearance of micro-cracks, by tying the surface and the matrix.
The cavities of REFORDUR AFC compensate for the pressure in hot concrete (up to 200ºC). Before the fibres reach the melting temperature (approximately 170ºC), REFORDUR AFC offers vapour permeability, compensating for the pressure produced on the concrete, reducing the SPALLING effect.

Advantages of REFORDUR AFC, as a complement to concrete:

- Crack resistance
- Flexural Strength
- Impact resistance
- Abrasion resistance

Uses

It is especially suitable for application on:

- Tunnels, bridges, roads
- Foundations
- Fire-resistant retaining walls
- Concrete pavements
- Mortar flooring
- Prefabricated elements.

Presentation and storage

It comes in 600 g water-soluble paper bags and boxes of 20 bags.
It can be stored for approximately 12 months. Approximately 12 months. They must be stored in their original packaging and in environments with temperatures between 5ºC and 30ºC.

Application

Limitations
Those of the concrete or mortar to which it is mixed.
The construction element does not replace the calculation reinforcements.
It does not prevent cracks from poor sizing or shrinkage due to drying.

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Mixing

It is added directly to the concrete mixer, once all the components of the concrete have been incorporated. Under no circumstances mix with the concrete water directly.
Increase the final kneading time by about 5 minutes, to allow the bag to melt inside by reacting with the alkaline components of the concrete. Spread the concrete or mortar according to the usual technical specifications, respecting all the joints and singular points of the construction element.

Performance

Its approximate yield is 600 g/m3 of concrete or mortar.

Tool Cleaning

Tools and tools are easily cleaned with water before the paste has hardened. Cured or hardened product can only be removed by mechanical means.

Safety and hygiene instructions

For any information regarding safety issues in the use, handling, storage, and disposal of chemical residues, users should refer to the most recent version of the Product Safety Data Sheet. The disposal of the product and its packaging must be carried out in accordance with current legislation and is the responsibility of the final consumer of the product.

Product identification and application data	
Composition	100% polypropylene
Chemical resistance	Inert to alkalis and acids in general
Melting Temperature	170°C Approx.
Elongation	< 80%
Density	0.90 g/cm3
Length*	6, 12 and 18 mm
Melting Temperature	163 - 170°C
Cross section	Circular

Technical note

Technical requests from customers, either in writing or through tests, are always made in good faith and based on our personal experiences, and this does not imply any guarantee. The foregoing does not relieve you at any time of the obligation to check their validity and test our products as to their suitability for the desired processes and uses. The use, use and treatment of our products and the products
manufactured by you on the basis of our technical advice, are beyond our control and therefore completely under your responsibility.
The results and values indicated in this technical data sheet have been tested in accredited laboratories. The actual measurements of the devices may be subject to minor variations depending on the calibration of the devices and other circumstances that are not dependent on the company.

Legal Notice

The information contained in this technical sheet is based on our knowledge of the product, in view of our tests, knowledge and experience. The correct use, transport, storage and installation of the product has an impact on its final quality. Since we limit ourselves to selling or supplying a specific product at the customer's request, PAVICRET SL does not
is responsible for the use of the product that the customer may make. It is up to the customer to verify the suitability and suitability of the product for the desired application and purpose. Especially, the customer should check the Product compatibility in the event that you intend to use it by mixing it or causing an interaction with other products. Likewise, PAVICRET SL cannot assume any responsibility in the event of incorrect or reckless use of the product by the customer. Customers assume the obligation to know the technical data sheet of our products, as well as to make proper use of it.