



PENTAMIX FER/2

Corrosion inhibitor additive in resin-cement based mixtures

Technical Data Sheet, October 2015

DESCRIPTION **Pentamix FER/2** is a an additive in powder form and a corrosion inhibitor able to modify the rheology in resin-cement based mixtures both mono and bi-component.

FEATURES **Pentamix FER/2** contains an inhibitor of iron oxidation and additives which highly improve workability and substrate adhesion of resin-cement based mixtures both mono and bi-component.
It improves the flexibility of the sheaths together with their stability over time. In bi-component mixtures, by adding cement to emulsify resin, it makes cement dispersion easier, thus avoiding the formation of clots and increasing the smoothness and the workability during the application with roller or brush.
It gives hardened sheaths good flexibility and durability together with high abrasion.

USE **Pentamix FER/2** is used as a rheology corrector and corrosion inhibitor during the preparation of resin-based sheaths, with or without cement, to protect non-covered rods and all iron surfaces long-time exposed to air.
The product is normally added to other powder components during their mixing until total dispersion.
To avoid the loss of additive during this operation, it is advisable to limit the degree of pulverization, especially if it is added in the pure state as the last component.

TECHNICAL DATA

	Data	Method
State:	Powder	Visual
Colour:	White	Visual
Bulk Density:	0.650 ± 0.100 kg/dm ³	IST. 10.07
Granulometry	Min. 90 < 0.600 mm	IST. 10.09
Humidity	Max. 4%	IST. 10.04
Water solubility:	Partially soluble	IST. 10.21

DOSAGE

The normal dosage of **Pentamix FER/2** is 2% on the total weight of the dry mixture

STORAGE AND VALIDITY

Pentamix FER/2 has a 12-months validity starting from the delivery date, if it is stored in a dry place and in the original bags kept perfectly closed. Should moisture be absorbed by the product, this does not affect its efficaciousness, but it makes its dosage difficult and the distribution in the finished mixture not homogeneous. Therefore, it is advisable to close the bags carefully after each collection.

PRECAUTIONS

Pentamix FER/2 is normally harmless in contact with skin and easily removable with water and soap. In case of contact with eyes it causes low irritation, but the trouble disappears by rinsing them with running water. Inhalation can cause a slight irritation of the first part of the respiratory tract, so it is advisable to use dust masks. In case of accidental loss it must be picked up in the dry state and discharged in an authorised waste dump. Dry-clean the surfaces avoiding the use of water: it makes surfaces slimy and dangerous.

PACKAGING

25-kgs paper bags

The specifications stated in this report have been got either through standardized tests and rules or their modifications following Pentachem systems. The methods applied can be requested to our technical service.

All the data stated in this technical sheet are based on our knowledge and experience. However, before using the item differently from indicated, it is advisable to carry out preventive tests. In any case, PENTACHEM does not assume any responsibility for any damage or defect caused by the use of our products, as the employment conditions are not under our control. We also inform that our technical service is at our customers' disposal for any information concerning the correct employment of our products.

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