



PENTAMIX PA

Tixotropy modifier of both cement based and gypsum based premixed mortars

Technical Data Sheet, January 2016

DESCRIPTION **Pentamix PA** is an additive in powder form used for modifying viscosity in cement-based and gypsum-based dry-premixed mortars, in particular in tile adhesives.

FEATURES **Pentamix PA** modifies the rheological behaviour of the whole mixture and facilitates the surface finishing.
It produces high thixotropy without increasing the quantity of water; it integrates the thixotropic action of cellulose ethers without modifying water retention.
That allows obtaining a very good tixotropy and better surface workability.
the higher dosage of PENTAMIX PA in tile adhesives, other than improving the resistance to vertical sliding, enlarges both filmation time and adjusting time of tiles.

USE **Pentamix PA** is used as a corrective in the preparation of premixed plasters and finish mixtures made with cement, hydrated or hydraulic lime and in gypsum-based mixtures.
The product is normally added to the other components during mixing until total homogenisation.
To avoid loss of additive during mixing, 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:	Ivory-white	Visual
Bulk Density:	0.650±0.100kg/dm ³	IST. 10.07
Granulometry:	Min. 96% < 0.180 mm	IST. 10.09
Humidity :	Max 5%	IST. 10.04
Water solubility:	Partially soluble	IST. 10.21

DOSAGE The normal dosage of **Pentamix PA** is 0.04 - 0.10% of the weight of the dry mixture, depending on the expected effect.

STORAGE AND VALIDITY **Pentamix PA** has 12-month validity from delivery note issue 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.
It is therefore advisable to close bags carefully after each collection.

PRECAUTIONS **Pentamix PA** is normally harmless in contact with skin and easily removable with water and soap. In case of contact with eyes it causes them to redden, but the trouble disappears by washing them with running water.
Inhalation can cause a slight irritation of the first part of the respiratory tract, so it is advisable to use a dust mask.
In case of accidental loss it must be picked up in the dry state and discharged in an authorised waste dump.
Never use water: it makes surfaces slimy and dangerous.

PACKAGING 25-kilo 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.