



PENTAMIX APL 14

Reducer of surface film for cement mixtures

Technical Data Sheet January 2019

- DESCRIPTION** **Pentamix APL 14** is an additive in powder form used for reducing the thickness of the surface film in cement mixtures containing cellulose ethers or resins.
- FEATURES** **Pentamix APL 14** acts on the transfer speed of organic resining substances in the wet mixture, thus limiting their surfacing even in fluid mixtures. This allows adjusting the dosage of resins not to the problem of their surfacing, but to the features required by the specific mixtures.
- USE** Thanks to these characteristics, **Pentamix APL 14** is suitable for cement adhesives to extend filming time and reduce the thickness of the film mainly in mixtures containing re-dispersing vinyl or acrylic resins. Besides, it is suitable for all types of mortars specific for repair works, since after hardening their surface film would reduce the adhesive capacity of the final treatment. **Pentamix APL 14** has no particular contraindications because it does not affect the other parameters of the mixtures containing cement. A mild extension of the setting time may only occur in mixtures that are very rich in hydrated lime.

TECHNICAL DATA

	Data	Method
State:	Powder	Visual
Colour:	Ivory white	Visual
Bulk density:	0.900 ± 0.08 kg/dm ³	IST. 10.07
Granulometry:	Min. 95.0% < 0.600 mm	IST. 10.09
Humidity:	Max. 4.0%	IST. 10.04
Water solubility:	Soluble	IST. 10.21

DOSAGE	The range of dosage of Pentamix APL 14 is 0.05 – 0.10 % of the weight of the dry mixture, depending on the features of the mixture and the content of filming products.
STORAGE AND VALIDITY	Pentamix APL 14 has a 12 months validity starting from the date on the delivery note, 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 APL 14 is easily removable from any surface with water and soap. Inhalation can cause a slight irritation of the first part of the respiratory tract, so it is advisable to use anti-dust masks. In case of accidental loss, it must be picked up in the dry state and discharged in an authorized waste dump. Never use water, since 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.