



# PENTAMIX APL

## Surface film reducer for cement mixtures

Technical Data Sheet August 2012

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**DESCRIPTION** **Pentamix APL** 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** acts on the transfer speed of organic resining substances in the wet mixture so limiting their surfacing even in fluid mixtures. That allows adjusting the dosage of resins no longer to the problem of their surfacing, but to the features required by the specific mixtures.

**USE** Therefore, **Pentamix APL** is suitable for cement adhesives to extend filmation 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** 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 hydrate lime.

**DOSAGE** The range of dosage of Pentamix APL is 0.3-08 % of the weight of the dry mixture, depending on the features of the mixture and the content of filming products.

### TECHNICAL DATA

|                          | Data                           | Method     |
|--------------------------|--------------------------------|------------|
| <b>State:</b>            | Powder                         | Visual     |
| <b>Colour:</b>           | Ivory white                    | Visual     |
| <b>Bulk Density:</b>     | 0.700±0.100 kg/dm <sup>3</sup> | IST. 10.07 |
| <b>Granulometry:</b>     | Min. 95% < 0.300mm             | IST. 10.09 |
| <b>Humidity :</b>        | Max. 4.0%                      | IST. 10.04 |
| <b>Water solubility:</b> | soluble                        | IST. 10.21 |

**STORAGE AND VALIDITY** Pentamix APL has 12-month validity beginning with delivery, 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 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 dust masks.

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.

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