



PENTAMIX ADX 115

Starch Ether

Technical Data Sheet, October 2015

DESCRIPTION

Pentamix ADX 115 is starch ether used for modifying viscosity in cement-based and gypsum-based pre-mixtures containing crushed or mixed aggregates.

FEATURES

Pentamix ADX 115 modifies the rheological behaviour of the whole mixture and facilitates the surface finishing.
It produces higher thixotropy than **Pentamix ADX 100** without increasing the quantity of water. It is therefore particularly suitable for cement-based plasters that tend to slide down.
It integrates the thixotropic action of cellulose ethers without modifying water retention.
That allows a good vertical tightness in the rest state, which is a basic feature for spray products, while improving the levelling and smooth running of the whole system under the action of the tools during the laying on.

USE

Pentamix ADX 115 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
	Starch ether	
State:	Powder	Visual
Colour:	Ivory-white	Visual
Bulk Density:	$0.575 \pm 0.075 \text{ kg/dm}^3$	IST. 10.07
Granulometry:	Min. 70% < 0.0300 mm	IST. 10.09
Humidity:	Max. 4%	IST. 10.04
Water solubility:	Partially soluble	IST. 10.21

DOSAGE	The normal dosage of Pentamix ADX 115 is 0.02 - 0.15% of the weight of the dry mixture, depending on the expected effect.
STORAGE AND VALIDITY	Pentamix ADX 115 has a 12-months validity starting from the date of the delivery, only 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	<p>Pentamix ADX 115 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.</p> <p>Inhalation can cause a slight irritation of the first part of the respiratory tract, so it is advisable to use a dust mask.</p> <p>In case of accidental loss it must be picked up in the dry state and discharged in an authorised waste dump.</p> <p>Never use water: it makes surfaces slimy and dangerous.</p>
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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