



# PENTAMIX ADX

## 101-102-115

### Starch Ether

Technical Data Sheet October 2015













**DESCRIPTION** Pentamix ADX 101-102-115 are starch ethers used for modifying viscosity and rheology in cement-based, gypsum based and resin-based premixtures.

**FEATURES** Pentamix ADX modify the rheological behaviour of the whole mixture and facilitates their application and the surface finishing.  
In presence of hydrated lime they produce higher thixotropy without increasing the water demand; they are therefore particularly suitable for cement-based plasters that tend to slide down.  
They integrate 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. They avoid the stickiness of the plaster to the tools, so making the application easier and lighter.

**USE** Pentamix ADX are used as corrective in the preparation of premixed plasters and finish mixtures made with cement, hydrated or hydraulic lime and in gypsum-based mixtures in particular made with crushed or mixed aggregates.  
The products are 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
<b>State:</b>	Powder	Visual
<b>Colour:</b>	Ivory-white	Visual
<b>Bulk Density:</b>	0.650±0.150 kg/dm <sup>3</sup>	IST. 10.07
<b>Humidity :</b>	Max. 4.0%	IST. 10.04
<b>Water solubility:</b>	Soluble	IST. 10.21
<b>Content of dry matter:</b>	Min 96%	IST. 10.03

Product	Viscosity mPa.s	Granulometry < 0,300 mm	Cement plasters	Cement smooth finishes	Gypsum plaster	Gypsum smooth finishes
PENTAMIX ADX 101	1000 - 3000	min. 40 %				
PENTAMIX ADX 102	1000 - 3000	min. 95 %				
PENTAMIX ADX 115	8000 - 11000	min. 40 %				

(Brookfield RV solution 5 %)



possible use



Recommended

**DOSAGE** The standard dosage of Pentamix ADX is 0.02-0.20% on the total weight of the mixture, depending on the desired effect.

**STORAGE AND VALIDITY** Pentamix ADX has 12-month validity beginning with delivery, if they are 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 ADX are normally harmless in contact with skin and easily removable with water and soap. In case of contact with eyes they cause 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 they must be picked up in the dry state and discharged in an authorised waste dump. Never use water: they make 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.