

# PENTAMIX EX 6

## Shrinkage reducing agent

Technical Data Sheet December 2020

### DESCRIPTION FEATURES

**Pentamix EX 6** is a shrinkage reducing agent for cement-based products.

**Pentamix EX 6** reduces both hydraulic and plastic shrinkage, reducing the surface tension in the capillarity of the systems before the end of the setting time and during the hardening time. It does not produce expansion. The additive is composed of an admixture of multifunctional aliphatic alcohols and an anti-caking agent.

**Pentamix EX 6** reduces shrinkage up to 50% after 28 days and up to 30% after 1 year, thus substantially lowering the risk of cracking.

### USE

**Pentamix EX 6** is suggested for the preparation of premixed dry Portland cement and alumina cement-based admixtures and grouts.

### TECHNICAL DATA

	Data	Method
<b>State:</b>	Hygroscopic powder	Visual
<b>Colour:</b>	White	Visual
<b>Bulk density:</b>	0.450 ÷ 0.650 kg/dm <sup>3</sup>	IST. 10.07
<b>Active matter:</b>	Min. 60% Anti caking max. 40%	
<b>Granulometry:</b>	Min. 95% < 0.180 mm.	IST. 10.09
<b>pH<sup>20°C</sup> (sol. 2%):</b>	7.5 - 9.0	IST 10.05
<b>Humidity:</b>	Max. 8.0%	IST. 10.04
<b>Content in Cl<sup>-</sup>:</b>	< 0.05%	IST 10.34
<b>Water solubility:</b>	Partially soluble	IST. 10.21

### DOSAGE

The dosage of **Pentamix EX 6** is normally 0.3 – 0.5%. In order to identify the most appropriate dosage, please carry indicative tests.

### STORAGE AND VALIDITY

If it is stored in a dry place and in its bags carefully closed, **Pentamix EX 6** has a 12 months validity from the date on the delivery note. Please close the bags after each collection.

### PRECAUTIONS

Please consult the SDS in its entirety before using.

### PACKAGING

25 kg paper bags.  
500 kg big bags.

All the data stated in this technical sheet are based on the best of our knowledge and experience. 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.