

# PENTA EC 4120

## Highly modified cellulose ether for adhesives

Technical Data Sheet February 2023

### DESCRIPTION

**Penta EC 4120** is a highly modified cellulose ether with fast solubility.

### USE

**Penta EC 4120** is a cellulose ether with a wide range of uses, for mortars for ETICS and for all types of cement-based adhesives, it is particularly appreciable on the most common classes on the market, from C1 to C2TES1.

It greatly reduces and counteracts the vertical slip of the mixture, allowing to obtain an excellent thixotropy. It is easy to trowel and the use results light and sliding. The recording time after 30 minutes is also very good.

Suggested for cement-based adhesives and recommended for those containing polymers. Creates an excellent cohesion between the support and the tile.

### TECHNICAL DATA

	Data	Method
<b>Composition:</b>	Methyl Hydroxypropyl cellulose	
<b>State:</b>	Powder	Visual
<b>Colour:</b>	Ivory white	Visual
<b>Bulk density:</b>	0.450 ± 0.100 kg/dm <sup>3</sup>	IST. 10.07
<b>Granulometry:</b>	Min. 90% < 0.180 mm	IST. 10.09
<b>Humidity:</b>	Max. 4.0%	IST. 10.04
<b>Water solubility:</b>	Totally soluble	IST. 10.21
<b>Hydrogen-ion concentration (pH):</b>	7.0 ÷ 8.0	IST. 10.05
<b>Water retention:</b>	Min. 65% after 8 min.	IST. 10.08
<b>Viscosity at 20°C:</b>	17 000 ÷ 21 000 mPas (sol. 2%, Brookfield RV, spindle 6, 20 rpm)	IST. 10.30
<b>Surface activity:</b>	Weak	

### DOSAGE

The recommended dosage is 0.25 ÷ 0.50% on the dry mixture.  
**Depending on the needs, different dosages can be used after tests.**

### STORAGE AND VALIDITY

If it is stored in a dry place and in the original bags kept perfectly closed,  
**Penta EC 4120** has a 12 months validity starting from the date of the delivery note.  
It is advisable to close bags carefully after each collection.

### PRECAUTIONS

Before its use, please read the Information Sheet.

### PACKAGING

25 kg paper 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.