

# PENTA EC 4125

Highly modified cellulose ether for cement-based adhesives

Technical Data Sheet February 2024

**DESCRIPTION** Penta EC 4125 is a highly modified cellulose ether, quickly soluble.

**USE** Penta EC 4125 is a wide-range cellulose ether for all types of cement-based adhesives, especially those rich in silica aggregates. It provides open time, thixotropy, excellent adhesion strengths and high water retention.

	Data	Method
<b>TECHNICAL DATA</b>		
<b>Composition:</b>	Hydroxypropyl methyl cellulose	
<b>State:</b>	Powder	Visual
<b>Colour:</b>	Ivory white	Visual
<b>Bulk density:</b>	0.450 ± 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%	IST. 10.04
<b>Water solubility:</b>	Totally soluble	IST. 10.21
<b>Concentrazione idrogenianica (pH):</b>	7,0 - 8,0 (soluzione 2%)	IST. 10.05
<b>Water retention:</b>	min. 65% after 8 minuti	IST. 10.08
<b>Viscosity at 20°C:</b>	12.000 – 16.000 mPa.s (sol. 2% Brookfield RV, spindle 6, 30 rpm)	IST. 10.30
<b>Surface activity:</b>	Weak	

**DOSAGE** The recommended dosage is 0.20 ÷ 0.50% on the dry mixture.  
Depending on the needs, different dosages can be used after tests

**STORAGE AND VALIDITY** The product, in the original and well-closed bags and stored in a covered place at temperatures between 5°C and +50°C, has a 6 months validity from the date of the transport document. It is advisable to close bags carefully after each collection

**PRECAUTIONS** Before its use, please read the safety data 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.