

# PENTA EC 4119

## Modified cellulose ether for adhesives

Technical Data Sheet August 2022

**DESCRIPTION** Penta EC 4119 is a medium-viscosity modified cellulose ether quickly soluble in water both in a neutral and alkali system.

**USE** Penta EC 4119 is indicated for all kinds of cement-based adhesives. It is an excellent starting point to develop all the most important rheological needs for the characterisation.

	Data	Method
	Methyl Hydroxypropyl cellulose	
<b>TECHNICAL DATA</b>		
<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. 96.0% < 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 ÷ 7.5	IST. 10.05
<b>Water retention:</b>	Min. 65% after 8 min.	IST. 10.08
<b>Viscosity at 20°C:</b>	30000 ÷ 40000 mPas (sol. 2%, Brookfield LV, 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 4119** has a 12 months validity starting from the date of the delivery note. It is advisable to close bags carefully after each collection.

**PRECAUTIONS PACKAGING** Before its use, please read the Information Sheet.  
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.