

NEW PENTA EC 4120 Highly modified cellulose ether with balanced performance

Pentachem Srl March 2023

PENTA EC series - Modified cellulose ethers

• PENTA EC 4119 (30.000 – 40.000 mPa.s)

- Mortars for gas-beton;
- C1 class tile adhesives;
- Self-wetting adhesives;
- Mortars for ETICS

PENTA EC 4111 (30.000 – 35.000 mPa.s)

Smooth finishes and mortars for ETICS

PENTA EC 4120 (17.000 – 21.000 mPa.s)

- Cement-based adhesives from C1 premium to C2TES1.

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

• **Penta EC 4120** is a cellulose ether with a wide range of uses, for all types of cement-based adhesives and 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 mortar, 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

Vertical slip resistance test for the definition of T class:

Result: 0 mm Norm < 0,5 mm





- Recommended for cement-based adesives with polymers.
- Creates an excellent cohesion between the support and the tile.



Resistance to adhesion test :

Result: T 5' 1,45 N/mm² Norm: T 5' > 1,00 N/mm²

Result: T 30' 0,88 N/mm² Norm: T 30' > 0,50 N/mm2

	Data	Method
Composition:	Methyl Hydroxypropyl cellulose	
State:	Powder	Visivo
Colour:	Ivory white	Visivo
Bulk density:	0.450 ± 0.100 kg/dm ³	IST. 10.07
Granulometria:	Min. 90% < 0.180 mm	IST. 10.09
Humidity:	Max. 4,0%	IST. 10.04
Water retention:	Totally soluble	IST. 10.21
Hydrogen-ion concentration (pH):	7,0-8,0	IST. 10.05
Water retention:	min. 65% after 8 minutes	IST. 10.08
Viscosity at 20°C:	17.000 ÷ 21.000 mPa.s (sol. 2% Brookfield RV, spindle 6, 20 rpm)	IST. 10.30
Surface activity:	Weak	



San Clemente, Rimini – March 2023