

PENTA EC 06

Highly modified cellulose ether

Technical Data Sheet September 2025

DESCRIPTION **Penta EC 06** is a modified low-viscosity cellulose ether for mono and bi-component cement-based membranes, repair mortars, self-levelling and joint mortars.

USE **Penta EC 06** counteracts segregation in fluid and self-levelling mortars, affecting the flow obstructing spreading, it's perfect for formulating waterproofing membranes and joint mortars, develops excellent consistency and proper water retention. In repair mortars it has a thickening and thixotropic action, for perfect adhesion even on deteriorated surfaces.

	Data	Method
TECHNICAL DATA	Composition:	Hydroxypropyl methyl cellulose
	State:	Powder Visual
	Colour:	Ivory white Visual
	Bulk density:	0.600 ± 0.100 kg/dm ³ IST. 10.07
	Granulometry:	Min. 90% < 0.180 mm IST. 10.09
	Humidity:	Max.8% IST. 10.04
	Water solubility:	Soluble IST. 10.21
	Hydrogen-ion concentration (pH):	8,0 ÷ 9,0 (2% sol.) IST. 10.05
	Water retention:	> 45% after 8 minutes IST. 10.08
	Viscosity at 20°C:	2000 ÷ 2500 mPa.s (sol. 2% Brookfield RV, spindle 3, 20 rpm) IST. 10.30
	Surface activity:	Weak

DOSAGE The recommended dosage is between 0.08 and 0.20 % of the total volume of the mortar.
Depending on the needs, different dosages can be used after tests.

STORAGE AND VALIDITY **Penta EC 06**, 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.