

PENTA EC 52G

Modified cellulose ether

Technical Data Sheet July 2023

DESCRIPTION	Penta EC 52G is a low viscosity modified cellulose ether. Its fast dispersion progressively increases the viscosity of the system avoiding the formation of lumps.	
USE	Penta EC 52G is a rheological modifier particularly appreciable on fine gypsum-based admixtures, to improve and maintain the homogenization of all the components. The viscosity produced by Penta EC 52G allows to obtain thixotropic and easy to trowel admixtures and to maintain this characteristic for a long time, thus enabling good workability and easy application of the mortar on any surface.	
TECHNICAL DATA	Data	Method
	Composition:	Hydroxypropyl methyl cellulose
	State:	Powder Visual
	Colour:	White-beige Visual
	Bulk density:	0.510 ±0.070 kg/dm ³ IST. 10.06
	Granulometry:	Min. 95 % < 0.300 mm IST. 10.09
	Humidity:	Max. 4,0% IST. 10.04
	Water solubility:	Soluble IST. 10.21
FEATURES OF THE LIQUID SOLUTION	Hydrogen-ion concentration pH at 20°C (sol. 2%) :	8 ÷ 10 IST. 10.05
	Viscosity at 20° C : (sol. 2% Brookfield RV)	4.000 ÷ 6.000 mPa.s IST. 10.30
DOSAGE	The recommended dosage is 0.1 ÷ 1.5 % 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 52G 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.