

PENTA EC 03

Modified cellulose ether for fluid mortars and tile grouts

Technical Data Sheet February 2024

DESCRIPTION	Penta EC 03 is a low viscosity modified cellulose ether for self-levelling mortars and grouts.	
USE	Penta EC 03 is characterized by its rapid solubility. It counteracts the segregation in fluid and self-levelling mortars, helping and not obstructing the spreadability This modified cellulose is perfect for the formulation of tile grouts mortars, develops excellent consistency, proper retention and does not alter the colour of the final product.	
TECHNICAL DATA	Data	Method
	Composition:	Hydroxypropyl methyl cellulose
	State:	Powder Visual
	Colour:	Ivory white Visual
	Bulk density:	0.650 ± 100 kg/dm ³ IST. 10.07
	Granulometry:	Min. 90% < 0.180 mm IST. 10.09
	Humidity:	Max.6% IST. 10.04
	Water solubility:	Totally soluble IST. 10.21
	Hydrogen-ion concentration (pH):	8,0 ± 9,0 IST. 10.05
	Water retention:	> 45% after 8 min. IST. 10.08
	Viscosity at 20°C:	300 mPa.s (sol. 2% Brookfield RV, spindle 2, 50 rpm) IST. 10.30
	Surface activity:	Weak
DOSAGE	The recommended dosage is between 0.08 and 0.14% of the total volume of mortar. Depending on the needs, different dosages can be used after tests.	
STORAGE AND VALIDITY	Penta EC 03 , 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.