

PENTA EC 4135

Highly modified cellulose ether for adhesives

Technical Data Sheet April 2023

DESCRIPTION

Penta EC 4135 is a highly modified cellulose ether with fast solubility.

USE

Penta EC 4135 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 C2 to C2TES2.

It greatly reduces and counteracts the vertical slip of the mixture, 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.

Suggested for cement-based adhesives and recommended for those containing polymers and prevalence of siliceous aggregates, leaving the water uptake unchanged.

Creates an excellent cohesion between the support and the tile.

TECHNICAL DATA

	Data	Method
Composition:	Methyl Hydroxypropyl cellulose	
State:	Powder	Visual
Colour:	Ivory white	Visual
Bulk density::	0.450 ± 0.100 kg/dm ³	IST. 10.07
Granulometry:	Min. 90% < 0.180 mm	IST. 10.09
Humidity:	Max. 4,0%	IST. 10.04
Water solubility:	Totally soluble	IST. 10.21
Hydrogen-ion concentration (pH):	7,0 – 8,0	IST. 10.05
Water retention:	min. 65% after 8 min.	IST. 10.08
Viscosity at 20°C:	10.000 ÷ 15.000 mPa.s (sol. 2% Brookfield RV, spindle 5, 20 rpm)	IST. 10.30
Surface activity:	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 4135 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.