

ECOTOR B

Micro and nano ionizing particles

Technical Data Sheet July 2018

PRESENTATION **ECOTOR B** is a very fine powder of particular tourmalines with ionic activity, whose particle size is within the range of nano and microparticles. Its main feature is the capability to emit negative ions.

FEATURES The main feature of **ECOTOR B** is its ability to emit electronegative charges on the surface of its particles and in the surrounding environment in all conditions of light.

The electronegativity of surface promotes a strong ionization of the surrounding environment. The ionization makes the air cleaner and purer by substituting the normal electrical ionizers; with the advantage that **ECOTOR B** does not consume energy.

It also constitutes an efficacious barrier to the adhesion of all organic and inorganic particles, especially of dirt particles. Because of this, the surfaces treated with **ECOTOR B** avoid the deposition of dirt and they are self-cleaning under the action of water.

All these actions remain active as long as **ECOTOR B** persists on the surface. Since it is a natural product, we cannot ensure the constancy of the color.

USE Thanks to its self-cleaning action, **ECOTOR B** is used with success in the preparation of indoor and outdoor cement based plasters, water based paint, and silicate, hydrated lime, and synthetic resin based paints. To obtain a better distribution of **ECOTOR B** in the final mixture, it is advisable to pre-disperse the mixture in a part of one of the components of the mixture and then add **Pentaflow PC 5** if the mixture is dry or **Pentaflow PCL 25** if the mixture is liquid or in paste.

TECHNICAL DATA

	Data	Method
Composition:	Mix of elbaite, uvite, and mineral salts	
State:	Powder	Visual
Colour:	Dark grey	Visual
Specific gravity:	Max. 0.8 kg/dm ³	IST. 10.06
Granulometry:	Min. 95.0% < 5 µm	IST. 10.09
Humidity:	Max. 4.0%	IST. 10.04
Water solubility:	Insoluble	IST. 10.21

DOSAGE	<p>The suggested dosage for ECOTOR B is normally 2.0 – 3.0 % on the total weight of solid components.</p> <p>It is advisable to carry out preliminary tests on the specific mixtures in order to establish the optimum dosage depending on the expected results.</p>
STORAGE AND VALIDITY	<p>If it is stored in a dry place and in its original bags kept perfectly closed, ECOTOR B has a 2 years validity starting from the date on the delivery note.</p> <p>Should moisture be absorbed by the product, this does not affect its efficaciousness, but it makes its dosage difficult and it causes a non-homogeneous distribution in the finished mixture.</p> <p>It is therefore advisable to close the bags carefully after each collection.</p>
PRECAUTIONS	<p>In our present state of knowledge, there are no specific requirements in handling ECOTOR B.</p> <p>In any case, because of the particle size of ECOTOR B, it is advisable to adopt all the precautions needed for the use of powdery products and to avoid direct contact with wet or sweaty skin.</p>
PACKAGING	<p>5 and 10 kg cans.</p> <p>25 kg paper bags.</p>

The specifications stated in this report have been got either through standardized tests and rules or their modifications following NCT systems. The methods applied can be requested to our technical service.

All the data stated in this technical sheet are based on our knowledge and experience. However, before using the item differently from indicated, it is advisable to carry out preventive tests. In any case, NCT 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