



> EARTH ELECTRODES, GROUND ENHANCING PRODUCTS AND EARTH PITS

> CONDUCTIVER PLUS



AT-010L

CONDUCTIVER PLUS is a ground enhancing gel with low solubility which is, nonetheless, very hygroscopic. It is made of an electrolyte base, which contributes to the conductivity of the mixture.

The conductivity of the ground is almost exclusively of an electrolytic nature due to the salts dispersed in the water which impregnate it and concentrate on the surface due to adhesion of the sand grains and clay in the ground.

It is therefore possible to increase the conductivity of the ground, improving its absorption power, water retention and increasing its concentration of soluble salts.

It would be very easy to achieve this effect using a simple method, impregnating the ground with any electrolyte, such as common salt (NaCl) or sodium carbonate (Na₂CO₃). However, the high solubility of these salts, as well as their low absorption in the ground mean that they are quickly swept away by the infiltration waters and, as a result, their effect is very short term. Another inconvenience of common salts is their corrosive effect on the earthing electrodes.

The components of the **CONDUCTIVER PLUS** gel have been selected according to their solubility, in order to obtain a low soluble product from the soluble components, which will provide us with a long-lasting conductive material deposit. **The main advantage of this product is that a gel is formed below the soil near the electrode.**

EMPLOYMENT MODE

1. The ground can be dry. No previous preparation is necessary.
2. Prepare a solution of the yellow product in 5 litres of water using the measuring container.
3. Pour the first solution into the ground and add another 5 litres of water.
4. Let the product completely disappear into the ground.
5. Clean the container of any residue before continuing with the next product.
6. Prepare a second solution with the white product and 5 litres of water. Pour this mixture evenly onto the ground. Add another 5 litres of water. Leave to filter until complete absorption.
7. Once the second product has filtered, the earth resistance measurement can then be taken.

In summary, the **CONDUCTIVER PLUS** is characterised by:

- > Its capacity to create partially ionized electrolytes, with a high charge and capacity to retain water and form gels.
- > Remaining in the ground for a long time, thanks to the formation of bonds with the particles.
- > Increasing the conductivity of the ground for one year (considering rainfall of 700 litres/m²).
- > Not causing corrosion of the earth electrodes.
- > Being totally ecological.

Reference	Denomination	Description	Weight (kg)
AT-010L	CONDUCTIVER PLUS	Non-corrosive and ecological gel that improves soil conductivity	4.5

Complies with IEC 62305, IEC 62561, UNE 21186, NF C 17-102