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San-Earth Conductive Concrete and Earthing Electrode Pack

Product Images

Product Code: S83-4510

Short Description

SAN-EARTH Conductive Concrete is a proven solution in the prevention of infrastructural conductivity

grounding difficulties.

Adaptable to a range of varied applications within telecommunications, utilities and additional groundwork situations, Conductive Concrete not only excels in terms of technical performance but is environmentally safe, reduces theft of copper earthing rods and enhances the installation process through safety, time and cost in the grounding of new and retrofit Openreach telecommunication cabinets.

Features

Cost Efficient Grounding

In general, no water is required when grounding with SAN-EARTH. Once installed, it absorbs moisture from the surrounding soil and hardens. Common obstacles such as rocks or stumps will not interfere with grounding and need not be removed.

Because SAN-EARTH is granular and not liquid in nature, trouble free installation is possible even when the site is sloped.

Technical Performance

• SAN-EARTH electrode resistance is 60-70% lower than bare copper counterpoise wire.

• Installation costs are similar

• Resistance of the 5m SAN-EARTH electrode is the same as the twenty-meter long bare copper wire

• Ideal contact with the soil is achieved because SAN EARTH conforms to the shape of the trench.

• The effective surface area of the SAN-EARTH grounding electrode is about 25 times larger than the counterpoise wire.

Excellent Grounding Qualities

SAN-EARTH, usually installed in dry powder form, is both convenient and effective. It makes ideal contact with the ground possible over large effective areas and has qualities far superior to more traditional grounding techniques. SAN-EARTH has been shown to reduce resistance to ground by up to 50%; lower resistivity results in superior conductivity.

Electrolytic Corrosion Resistance

SAN-EARTH significantly extends the life of grounding systems. In normal conditions, an electrolytic reaction occurs when any metal buried in the ground is exposed to a positive electric current, resulting in serious corrosion of the metal. Covering the metal with SAN-EARTH creates conduction between the metal and SAN-EARTH reducing the electrolytic reaction and preventing the metal from corroding.

Easy to Install Anywhere

SAN-EARTH was first to aid in the grounding of electric power transmission lines in mountainous areas where construction is difficult and soil resitivities tend to be high. It can be installed straight out of the bag without water and in vertical or horizontal trenches.

Environmentally Safe

SAN-EARTH provides completely pollution free grounding because it is composed of very safe inert chemical matter. It will neither melt into the soil nor change into an electrolyte.

Reduces opportunity for theft

Traditional grounding systems are prone to theft due to the scrap value of copper. By using SAN-EARTH, the grounding system is safe from threat of theft or sabotage.

Supplied on a pallet of 36 bags with 9 electrodes.

Four bags and one electrode is the required pack for earthing a new install cabinet.

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Four bags and one electrode is the required pack for earthing a new install cabinet.