

SUPER EARTH

Applications:

- Cellular Power Substations
- Central Office Facilities
- Microwave Towers
- Electric Transmission Systems
- Computer Systems



Invented and patented by CREST, SUPER-EARTH is used as backfill material of grounding electrodes. SUPER-EARTH electrodes are easily installed by spreading the dry powder in a strip over and around a counterpoise conductor in a horizontal trench. When the trench is refilled SUPER-EARTH absorbs moisture from the surrounding soil and reduces soil resistivity.

The surface area of the electrodes are dramatically increased, resistance to ground is substantially reduced and surge impedance is lowered significantly.

Normally water system is recommended to keep the soil moist in dry areas.

SUPER-EARTH is also effective in building vertical electrodes.

Typically installed as a slurry around the electrodes in a hole 3-6 inches in diameter, SUPER-EARTH ground enhancement material molds itself to the walls of hole and hardens it removes voids and ideal contact with the surrounding soil is achieved.

The consistent performance of SUPER-EARTH grounding systems has been monitored & proven independent testing has proven SUPER-EARTH is environmentally safe and has shown that SUPER-EARTH covered copper electrodes last ten time longer than bare copper ground wires.

SUPER-EARTH electrodes provide the low resistance ground that is essential to any lightning protection system good grounds are possible even where soil resistivity is high. SUPER-EARTH grounding electrodes are economical, environmentally safe and permanent.



SUPER EARTH



LOW IMPEDANCE

SUPER-EARTH vs. Bare Copper Wire

- Surge impedance is reduced by more than 50%.
- Fast response proves enhanced protection for sensitive equipment
- Significant advantage over other grounding methods

Maintenance Free Earthing Solution with Super Earth Earthing Material

Super Earth is a specially designed material having PH of 0.5. It has the property of absorbing nearly 5 times water than its weight and can swell up to 13 times of its dry volume.

Reduces Earth resistance up to 200 percent as compared to the bare conductor, provides stable results thus saving material and labor.

Protect conductor from environmental effects like corrosion environmentally safe and it will not leach out with rain or ground water like salt solutions used traditionally. Thus providing permanent solution.

The overall system cost is reduced.

Super Earth Material is available in powder form in 25Kg and 50Kg packing.



SUPER EARTH CAN BE USED IN GROUNDING OF:

- Transmission and Distribution systems.
- Telecommunication Towers and Microwave Antennas
- Substations and Power Generators.
- Transformer Neutral Earthing.
- Lightning conductor and Surge Arrestor Earthing.
- Computer and data Processing Centers.
- Manufacturing facilities & Refineries.
- Equipment chassis grounding.
- Food Processing and Water Treatment Plants.
- Oil Refineries and Pump Stations.
- Residential buildings. Others, where low resistance Earthing is required.
- **KINDLY CONTACT US. FOR DESIGN ADVISE AND PROCEDURES FOR USING SUPER EARTH**



Creative Electronics & Automation

HEAD OFFICE

142, Industrial Triangle,
Kahutta Road, Islamabad - Pakistan.
Tel: 92-51-4492001-3
Fax: 92-51-4492004-2277946
E-mail: info@crestpak.com

LAHORE OFFICE

606, F-2 Johar Town, Lahore - Pakistan.
Tel: 92-42-35220691-3
Fax: 92-42-35220694
E-mail: sajjad@crestpak.com

KARACHI OFFICE

A-52, Block-C,
Gulshan-e-Jamal, Karachi - Pakistan.
Tel: 92-21-35416986-7
Fax: 92-21-34580752
E-mail: info@crestpak.com



URL: www.crestpak.com