

TERRA GEL



Ground Enhancement Material (IEEE 80 2000 clause 14.5d 14.6)

Features :

- High Conductivity
- Hygroscopic
- Partially soluble in water
- Non Corrosive
- Stable in different weathers
- RHOS compliant
- Low Step and Touch Potential
- Environmentally Friendly

Applications :

- Large multistoried /high rise residential complexes and housing colonies. A single Conductor can cover several blocks.
- Large multistoried /high rise office complexes, multiplexes shopping malls, etc.
- Modern building housing IT offices, BPO's and concentration of sensitive electronic and/ or telecom equipment and Telecom Towers.
- A Factories having PLC based controls for critical plant and machinery. Hospitals, cinema halls, museum, old monument, schools etc.



TERRA GEL
Modern Concept of Earthing System

The TERRA GEL Advantage

Maintenance free

This is a 100 % maintenance free earthing compound, no need of extra water pouring at regular interval as in conventional earthing material,

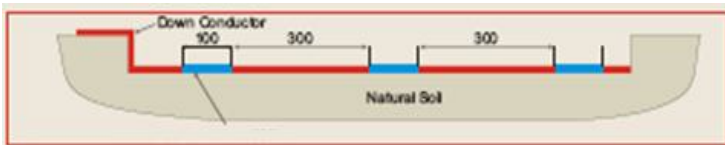
Consistency

Unlike as in conventional earthing material, the stability of the TERRA GEL will remain constant. The life and the resistance of the electrode are less affected by adverse climatic conditions.

More Surface Area

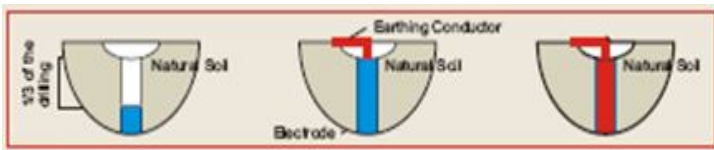
The conductive compound with diffusion property creates conductive zones, which provides the increased surface area for peak current Dissipation and also gets stable reference point. High conductivity can create low resistance even in a rocky area.

Horizontal setting Hard Rock Condition



- Make a trench 300mm wide x 800mm depth
- Spread a thin layer 2-3 mm thick TERRA GEL at the bottom of trench
- Place electrode on top of TERRA GEL layer
- Fill 5 kg TERRA GEL per meter of electrode
- Sprinkle water over it
- To of it with good quality of agricultural soil
- Water it & compact

Vertical Setting for electrodes



- Make a 3m deep & about 100mm dia pit
- Mix 10 kg of TERRA GEL in 10 liter of water
- Place Electrode with pit
- Pour the Terra Gel slurry in the pit
- Fill the pit with stone free agricultural soil, water it & compact it thoroughly

Physical Properties of TERRA GEL

Presentation : Solid in granules
Granulometry : 0.1mm to 1mm
Colour : Grey
Smell : Inodorous

Solubility in/miscibility with water : partly miscible

pH value : 6.9-7.2 of 1000 gm/lit at 20° C

Resistivity — below 0.12 ohm meter

TERRA GEL

← Setting Up

South Asian Enterprises Ltd.
13, Sant Nagar East of Kailash
New Delhi-110065
Tel : + 91 11 46656666
Fax : + 91 11 46656699
Email : info@sael.co.in
Website : www.sael.co.in

Kanpur Office
Micky House,
K-Block, Kidwai Nagar,
Kanpur-208011
Tel : 0512-2606859

Authorized Dealer

