

GEM

- GEM improves the Conductivity of grounding system. It reduces resistance surrounding the electrode
- GEM material reduces the Earth resistance from preventing electric shock and protects the facility from lightning strikes and power over flows.
- GEM never leach into the surrounding soil, so it comply IEEE statement on ground enhancing materials and can be used in all type of earthing including hazardous and substation requirement
- GEM contains carbon in fine powder form, so it easily create homogenous mixture in slurry form after mixing with water



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PROPERTIES OF GROUND ENHANCEMENT MATERIAL

Resistivity	Max. 2 Ω-cm
Durability	Good
Metal Corrosion	None
Toxic Substance	None
Appearance	Black Color
Moisture Retain Capacity	Good
Form of Carbon	Powder

ADVANTAGE OVER OTHER GROUND ENHANCING COMPOUND , GEL, CHEMICAL & CHARCOAL-SALT

- Contain carbon in the form of fine powder
- Suitable for using it for mobile earthing or prefabricated earthing purpose
- Does not leach in to soil as in case of GEL & Charcoal –salt
- Once settled surround the rod is difficult to detach
- Conduction of fault is better than other
- Retain moisture in rocky soil and in high temperature
- Working at low temperature up to -40°C
- Increase the life of electrode by reducing corrosion under ground
- Can be used in both dry and slurry form
- Its adhesive properties to surrounding soil is permanent
- Increases effective diameter of electrode
- No need of additional maintenance for a period of 15-25yrs base on soil

APPLICATION

Rocky soil, Sandy soil, Morhum Soil, Garden soil, Soil containing chemical or sea water, all type body and system earthing, Substation earthing, earthing for electronic equipments and also for lightning current discharge

PRODUCT CREDENTIALS

Tested by EPA, BTH,

INDIA CLIENTS

NALCO, BALCO, LANCO, L&T, Reliance, Tata, Aditya Birla Groups, HAL, APCPDCL, RCI, CCER&D, BMRCL, ISRO, Department of Police, Vodafone..etc



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