

TEKSAI



Design



Supply



Installation

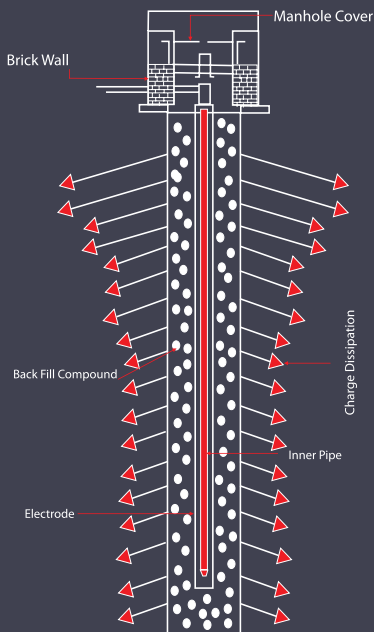


Testing



ABOUT US (Decade of Experience in Grounding System)

Since 2003 Tekesai Power Secure Solution Pvt. Ltd. has proven itself leader in the Design, Manufacturing and Installation of Grounding System, Lightning Protection System & Electrical installation. Today, TEKSAI is an Renowned engineering product designed for electrical earthing system & Lightning Protection System. Company is having a manufacturing unit in south India and Corporate Office in Delhi alongwith wide range of distributors net work all over india.



TeksoTube (Grounding System and Solution)

It is a G I or Electrolytic Copper or Copped Clouded Earthing Electrode which is to be installed into the ground near the electrical installation. It will perform the efficient discharge of all fault currents / surge that may occur in the electrical system. Grounding OR Earthing as the words suggest, is the connection of any object to earth, and this is the most important safety precaution to protect from electrical shocks and fires. TEKSAI provides various range of products to enhance the effectiveness of grounding system. These Electrodes are duly certified by CPRI, Bangalore.

TeksoPrevent (Lightning Arrestor)

When the electrical potential between two clouds or between a cloud and earth reaches a sufficiently high value, the air becomes ionized along with a narrow path and a lightning flash results which can be extended upto multiple kilometers. A lightning rod or Lightning Air terminal is a Copper rod and its alloy metallic object mounted on top of a building, electrically bonded using a Copper Flat or electrical conductor to interface with ground or "earth" through an electrode, engineered to protect the Equipment & building in the event of lightning strike. If lightning targets the building it will preferentially strike the rod and be conducted to ground through the down conductor. Copper and its alloys are the most preferable materials used in lightning protection. Copper effectively and rapidly facilitates the transmission of lightning energy to the ground because of its excellent electrical conductivity and corrosion resistance characteristics. .



TeksoGel (Ground Enhancement Material)

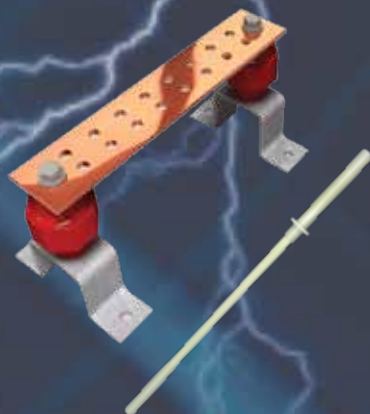


TeksoGel Earthing system have two different type of high quality back fill compound, The Back Fill Compound contains Graphite based compound alongwith Calcium and sodium based minerals that ionize forming a strong electrolyte surface as per IS: 3043-1987.

TeksoGel Back Fill compound reduce soil resistance and create a low resistance zone surrounding the area to provide a uniform environment of the electrode. TeksoGel is an anti corrosive compound has no organic acids, it will not expand, dissolve or decay; contains corrosion inhibitor, easy to install and eco- friendly. TeksoGel is certified for RoHS complaint & low resistivity compression test certified.

TeksoRod (Copper Cladded Steel Rod)

TeksoRod (Copper Cladded Steel Rod) are available as per UL standard 8 Ft & 10 Ft length suitable for all soil condition. The electrode is 5/8 or 3/4 dia MS Rod with 250 micron of copper cladding which is tested & certified in our laboratory. The electrode can be used standalone or Delta connection or as part of any multiple electrode system. Recommend Tri-Pod connection for better ohmic value (less than 1 Ohm) and 20 years life in all soil condition, even if area is Rock or sandy.



TeksoBar (Copper Bus Bar & FRP Mast)

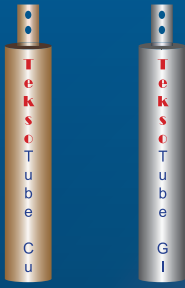
TeksoBars are an efficient and convenient solution for providing a common earth point to connect to the main earthing System. Integral disconnecting links are provided for isolation at the time of testing. The copper earth bus bars offer a full line of available hole patterns and sizes along with all the associated mounting hardware and insulators. Tekesai has a full inventory of raw materials in various sizes, which provides the capability of fast turnaround time for any customized bus bar configurations.

TECHNICAL SPECIFICATION

Model	Length - mm	Inner Pipe Dia. mm	Outer Pipe Dia. mm	Terminal Size
TeksoTube G I	2000/3000	25.4	50	32 X 10
TeksoTube G I	2000/3000	38	80	40 X 10
TeksoTube Cu	2000/3000	25.4	43	32 X 6
TeksoTube Cu	2000/3000	25.4	50	32 X 6
TeksoTube Cu	2000/3000	25.4	65	40 X 6
TeksoTube Cu	12 Ft	25.4	65	50 X 6
TeksoRod- Cu Cladded	3000	250 micron UL Listed	17.2	25 x 6

Tolerance $\pm$ 5%

TEKSAI - Product High Lights



TeksoTube
Pipe-in-Pine Grounding System



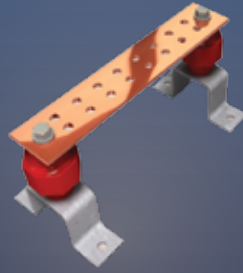
TeksoRod
Copper Cladded Steel Rod



TeksoGel
Ground Enhancement Material



TeksoPrevent
Lightning Arrestor



TeksoBar
Copper Bus Bar



TeksoMast
FRP LA Installation Mast



U Clamp Rod to Tape



Poly Plastic Earth Pit Cover



Earthing Accessories

SERVICES OFFERED

- Soil Resistivity Testing
- Lightning Protection Design
- Product Supply
- Power Quality Auditing
- Energy Auditing
- Installation



TEKSAI® Power Secure Solution Pvt. Ltd.
3/860, Blue Star Industrial Compound
Kanjikode, Palghat, Kerala - 678629 India
www.teksaiearthing.com

Dealer / Distributor