

**Advantages of
SRS Safe™
Gel Earthing Electrode**

- Requires less space and time to install.
- Uses double pipe protection technology.
- MAINTENANCE FREE, no need to pour water regularly.
- The main electrode is not in direct contact with the soil.
- Being non-corrosive there is no fluctuation in Ohmic value which reduces maintenance cost of machines and increases safety to human life.
- Adequate galvanization.
- The back-fill compound is not soluble in water. It becomes part of the soil around the electrode.
- Fit-and-forget. Practically there is no need to change it.

Thank you for letting us keep you safe since 15 years



15 Celebrating
Years of
Excellence.
And
Counting...



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SRS Safe™
Earthing Solution Specialist



Technology at work for you

SRS SAFE™ ENSURES THAT YOUR FOCUS IS ON YOUR CORE BUSINESS

Maintenance Free **SRS SAFE™** Gel Earthing Electrode is able to provide a multifaceted proactive earthing protection by utilizing metal alloys and natural chemical compositions. It is manufactured using custom-made G.I. tubes engineered to provide maximum conductivity and prolonged service life.

SRS SAFE™ Gel Earthing Electrode contains a conductor rich crystalline mixture that will protect the main earth electrode in the soil ensuring a high conductive state for the fault current to pass on to earth.

Earthing is an absolutely essential area of electrical engineering maintenance. It is generally forgotten and is checked only when something goes wrong. In most cases it fails due to corrosion of the pipe.

SRS SAFE™ Earthing Electrode can be used for effective earthing which ensures safety to precious human life and high cost electrical equipment.

Installing SRS Safe™ Gel Earthing Electrode

1. Drill/Bore a hole of 150-200 mm in diameter where earthing is to be done to a suitable depth of 2000-3000 mm (Electrode Length)
2. Place **SRS SAFE™** Earthing Electrode inside the pit.
3. Mix the back-fill compound nicely with the soil that has been dug out.
4. Refill the empty space around the earthing electrode with this compound mix soil.
5. While refilling the space, pour adequate water in the pit intermittently.
6. Pack the soil around the electrode tightly and nicely.
7. Again pour adequate water at least 3-4 feet around the earthing electrode.
8. Test the earth resistivity of the electrode and if the result is satisfactory, then connect it with the equipment.
9. If the result is not satisfactory, then allow 2/3 weeks for setting of the soil. Check the resistivity and then connect the equipment.
10. If the soil is of high resistivity i.e. semi rocky or rocky soil, use back-fill compound only for refilling the pit.

Back-fill Compound (BFC)

BFC is a specially developed compound that is capable of absorbing and retaining moisture up to 20 times to its dry volume. It is a combination of natural earth minerals with graphite powder. With proper water pouring the BFC converts into gel. It reduces the soil resistivity. It helps in faster dissipation of fault current and reduces fluctuation of Ohmic value. It is totally corrosion free eco-friendly earth enhancement compound.

Note

- Do not drop/hammer the Earthing Electrode.
- Do not use it other than the purpose of Earthing.
- Remove the thin plastic cover before installing the electrode.
- Always, place the Electrode keeping the connecting terminal on top.
- Apply petroleum jelly over the terminal of the Electrode to safeguard it against the corrosion.



flexible solutions for your business needs

Sr.	Model	Length	Surface Area	Application
1.	SRS SAFE-502 (50 mm dia) (M.O.C.: G.I.)	2000 mm	314000 sq mm	LT
2.	SRS SAFE-802 (80 mm dia) (M.O.C.: G.I.)	2000 mm	502400 sq mm	HT
3.	SRS SAFE-632 (63 mm dia) (M.O.C.: Copper)	2000 mm	395640 sq mm	Where only Cu is reqd.
4.	SRS SAFE-503 (50 mm dia) (M.O.C.: G.I.)	3000 mm	471000 sq mm	HT
5.	SRS SAFE-803 (80 mm dia) (M.O.C.: G.I.)	3000 mm	753600 sq mm	Lightning arrester
6.	SRS SAFE-633 (63 mm dia) (M.O.C.: Copper)	3000 mm	593460 sq mm	Where only Cu is reqd.



SRS Safe™ an eco-friendly solution

Users

- Banks
 - Financial Institutions
 - Mobile and communication towers
 - Transmission and distributions systems
 - Electrical substations
 - Power DG sets
 - Lightning arrester earthing
 - Microprocessor based equipment
 - Manufacturing industries
 - Refineries
 - Petrol pumps
 - Food processing units
 - Water treatment plants
 - Heavy furnaces
 - Commercial and residential complex
 - Hospitals
 - Schools
 - Military
 - Railways
- ...wherever ideal earthing is necessary.

