



## Copper Bonded Chemical Earthing Electrode

### Introduction:

The Vivek Earthing Copper Bonded Chemical Earthing Electrode provides efficient and reliable grounding with advanced copper bonding and a chemical compound. It ensures low-resistance fault current dissipation, protecting systems from surges and lightning. Built for durability and ease of installation, it's ideal for industries like power, telecom, and railways, offering long-lasting performance with minimal maintenance.

### Sizes:

Diameter (mm)	Length (mtr)	Thickness (mm)	Coating (Micron)
48	2	1 mm, 2 mm, 3.6 mm, 4.5 mm	30-40, 100, 250
48	3	1 mm, 2 mm, 3.6 mm, 4.5 mm	30-40, 100, 250
58	2	1 mm, 2 mm, 3.6 mm, 4.5 mm	30-40, 100, 250
58	3	1 mm, 2 mm, 3.6 mm, 4.5 mm	30-40, 100, 250
65	2	1 mm, 2 mm, 3.6 mm, 4.5 mm	30-40, 100, 250
65	3	1 mm, 2 mm, 3.6 mm, 4.5 mm	30-40, 100, 250
88	2	1 mm, 2 mm, 3.6 mm, 4.5 mm	30-40, 100, 250
88	3	1 mm, 2 mm, 3.6 mm, 4.5 mm	30-40, 100, 250

### Specifications:

- **Material:** Copper bonded with advanced chemical compounds.
- **Resistance:** Low-resistance for efficient current dissipation.
- **Size Options:** Available in multiple sizes to suit various needs.
- **Corrosion Resistance:** Coated with a corrosion-resistant layer to extend life.
- **Temperature Range:** Operates effectively in high and low temperatures.





## Application:

- **Power Stations:** Ensures safe and efficient grounding in power generation facilities.
- **Transmission Lines:** Protects transmission systems from electrical faults and surges.
- **Lightning Protection Systems:** Offers reliable grounding for lightning protection systems.
- **Telecom Industries:** Safeguards sensitive telecom equipment.
- **Railway Signaling:** Provides safety and continuity in railway signaling systems.
- **CNC Machines:** Protects precision equipment from electrical overloads.
- **Data Centres:** Ensures stable grounding for sensitive data handling systems.
- **Substations:** Essential for proper earthing in electrical substations.

## Advantages:

- **Longer Life:** High-quality materials ensure extended performance and durability.
- **Cost-Effective:** Reliable grounding without the need for frequent replacements.
- **Protection Against Overload:** Safeguards your electrical systems from power surges.
- **Safe and Environmentally Friendly:** Safe for both humans and the environment, minimizing hazards.
- **Highly Conductive:** Ensures the efficient flow of electricity, reducing risks of equipment damage.
- **Prevents Injury and Damage:** Provides essential protection for both appliances and human safety.

## Vivek Earthing Pvt. Ltd. An ISO 9001 - 2015 Certified Company

This datasheet provides detailed information about the **Copper Bonded Chemical Earthing Electrode** in various sizes, ensuring all relevant technical and application-specific details are covered for users and installers.