

## RR Earthing Backfill Compound

RR Earthing Backfill Compound is a Synthetic superior conductive material manufactured specifically for Earthing purposes to improve Earthing effectiveness in areas of poor conductivity.

It is manufactured using specific raw materials and minerals such as conductive cement, graphite, sodium montmorillonite etc... mixed in carefully controlled ratios.

The RR Backfill Compound then Goes through a range of treating process, designed to create a consistent, fit for purpose Earthing Compound



### The resulting precise measured mixture is virtually dust free and has exceptional electrical properties

- It improves conductivity of the Earth Electrode and Ground contact area. It has the following characteristics.
- It has low resistivity preferably 0.2÷1.5 Ohm-meters.
- It is a chemically inert compound and as such is non-corrosive to steel or copper. It does not attach cement structures and has a pH level within the neutral range.
- It becomes a permanent solid structure, especially when mixed with concrete to achieve desired Earth value for a longer period of time
- It is non toxic, non reactive, non explosive & non corrosive.
- It is thermally stable in-between -10 degree centigrade to +50 degree centigrade ....
- It doesn't decompose or leach out with time
- It doesn't pollute the soil or local water table and meets environmental friendly requirements for landfill.
- It expands & swells considerably and removes entrapped air to create strong connection between Earth Electrode and soil.
- It diffuses into soil pores and creates conductive roots embracing conductive zone of Earth pit
- It is suitable for kind of Electrode and all kinds of soils of different resistivity.

