

## Loresco RS-3 Backfill



Loresco RS-3 is the most innovative super conducting earth contact backfill in the Loresco product line. It is a surface-modified, blended, and sized carbon backfill with surfactants. It is a premium earth contact backfill able to handle the most stringent cathodic protection demands requiring high current and long life.

Loresco RS-3 combines the characteristics of superior low resistivity and high bulk density with a remarkably rapid sinking ability to provide the latest in conductive carbon backfill technology. This is the first time a conductive carbon backfill with superior pumping and pouring abilities has been available in one bag.

The purposes of backfill are:

- Reduce the groundbed resistance by increasing the effective size of the anode.
- Extend the anode surface area, thus increasing the amount of current the anode can discharge.
- Reduce consumption of the anode since the carbon becomes the part of the anode consumed before the anode itself.
- While the main purpose of coke breeze backfill is to reduce the anode-to-soil circuit resistance and to increase anode service life, it also helps to eliminate gas blockage and drying tendencies.

### Formulation

Loresco RS-3 is produced for cathodic protection applications using an exclusive multistep process which creates a new surface with superior conductive properties. This process is exclusive to conductive carbon formulations designed for cathodic protection. It ensures that the impressed current anode and RS-3 system have increased electronic flow performance while increasing the life of the anode system.

Loresco RS-3 has a bulk density of 68 lbs per cubic foot. The fixed carbon content is greater than 99% by weight. The bulk density and high fixed carbon content coupled with the assured low resistivity medium allow for longer groundbed life at a lower operating cost.