



LYNCOLE LYNCONITE II THE IDEAL BACKFILL MATERIAL

Lynconite II® is based on natural earth clay. Special processing increases its electrical conductivity properties. With a resistivity of 0.6 ohms-meter it is extremely beneficial for earth grounding applications.

When mixed with water (approximately 13 gallons per 50 lb. bag) it has a relatively low viscosity for approximately 45 minutes before it takes on gel like properties. It is poured into the hole before it gels, then solidifies, it adheres to the electrode and conforms to the hole's dimensions, filling all voids, cracks and crevices, providing the best possible bond with the surrounding earth. Lynconite II is environmentally safe, meeting NSF Standard 60 requirements.

Unlike carbon based enhancement materials, Lynconite II does not place the grounding system in a corrosive environment. Lynconite II has a near neutral pH promoting a longer life span for any grounding system. Lab tests have shown a 120-year half-life for copper protected by Lynconite II, which is one of the reasons that they Lyncole XIT grounding electrodes can **be warranted for 30 years, with a life expectancy of 50 years.**

After the Lynconite II has set, it retains the water it was mixed with. If it is exposed to a desiccant (sun, wind), it may reduce some of its surface moisture and crack, but it will remain in a gel state a few inches below the surface.



BENEFITS

- ✓ Provides the best electrical bond with earth
- ✓ Environmentally safe
- ✓ Very electrically conductive
- ✓ Very protective of copper
- ✓ Lowers ground system resistance

PRODUCT FEATURES

Proprietary grounding backfill by the inventor of the world standard XIT® Grounding System

A naturally occurring clay-based formula with a resistivity of 0.6 ohms-m

Protects the metallic parts of a grounding system from corrosion with a low permeability seal (1x 10⁻⁹ cm/sec)

Meets NSF 60 water quality safety standards

Contains 30% solids to promote the maximum retention of moisture in natural suspension around the XIT Grounding System

Proven in 30 years of trouble-free grounding installations

Contains no carbon which will produce galvanic activity in a copper grounding system leading to premature corrosion below-grade and out of sight



LYNCOLE GROUNDING GRAVEL

THE QUICK ALTERNATIVE

Lyncole Grounding Gravel® is a pelletized form of Ground Enhancement and is particularly beneficial for installations where ease of Installation is important and long life is critical.

Although used in many different applications, it is extremely beneficial for earth grounding applications. Grounding Gravel is also environmentally safe, having met the NSF Standard 60 requirement for long-term contact with drinking water. Grounding Gravel has all

the qualities of an excellent backfill material for grounding electrodes and conductors.

Lyncole Grounding Gravel is highly conductive which improves the grounding system performance. Its nearly neutral pH also promotes a long life of grounding electrodes and/or grids by protecting them from surrounding soil which may be very corrosive. This is one of the factors that allow Lyncole's XIT® Grounding Systems to be warranted for 30 years with a life expectancy of 50 years.



BENEFITS

- ✓ Provides Good Electrical Bond with Earth
- ✓ Very Electrically Conductive - 240 Ohms/cm
- ✓ Environmentally safe, having met the NSF Standard 60 requirement
- ✓ Lowers Ground System Resistance
- ✓ Very Protective of Copper
- ✓ Lynconite backfill materials provides a pH balanced environment, inhibiting corrosion

INSTALLATION

- ✓ Easily Installed, simply pour in and hose down
- ✓ Lyncole Grounding Gravel® does not need to be mixed into a slurry
- ✓ Instead, half the bag is poured into the hole or trench, followed by 2-3 gallons of water
- ✓ After 5 minutes the water is absorbed then repeat the process with the other half of the bag