

Where Grounding Bonds with Science®



Lynconite II®

The Ideal Backfill Material

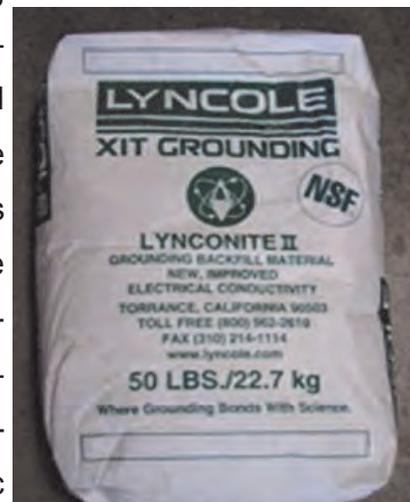
History:

Lyncole was founded in 1985 with its mission being to provide the best in products and services in electrical protection and grounding. We started with the XIT. This was the original and first ever patented design for an active ground rod solution.

The XIT® System:

The continuously advancing telecommunications, computer and electronics industries require the most advanced grounding system available. Ahead of its time, the UL listed, self moisturizing and maintenance-free Lyncole XIT Grounding System provides low resistance in diverse climates around the world, without harmful effects to the environment.

Lynconite II is a proprietary grounding backfill material created by Lyncole XIT Grounding—the inventor of the world class XIT Grounding System. Lynconite II has all the qualities of an ideal backfill material for a grounding system. It is easily installed, provides an excellent electrical bond between the grounding electrode and earth, is non-corrosive, and is very electrically conductive. Unlike competitors who use carbon-enhanced backfill materials, Lynconite II employs a natural clay-based material formed by volcanic



ash that is specially processed and enhanced by Lyncole to increase its electrical conductivity properties. Lynconite II is the only product on the market that not only enhances grounding system performance and longevity but also protects the buried components from corrosion which allows Lyncole's XIT Grounding System to be warranted for 30 year and have a life expectancy of 50 years.

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Benefits:

Encases electrical grounding system, establishing a strong and conductive electrical bond between the grounding system and earth creating a non-corrosive, protective barrier

Environmentally safe and meets all NSF Standard 60 requirements

Near neutral PH promotes a longer life span for any grounding system

Natural resistivity of 0.6 ohms-m which significantly improves the performance of the grounding system

Absorbs moisture from native soil and can expand up to 15 times its original weight

Straight forward and easy installation requiring only that you mix each 50 lb bag with 13 gallons of water to provide 2.2 cbft of backfill material

Product Features	Lynconite II	Carbon-Based
Proprietary grounding backfill by the inventor of the world standard XIT Grounding System	Yes	No
A naturally occurring clay-based formula with a resistivity of 0.6 ohms-m	Yes	No
Protects the metallic parts of a grounding system from corrosion with a low permeability seal (1×10^{-9} cm/sec)	Yes	No
Meets NSF 60 water quality safety standards	Yes	No
Contains 30% solids to promote the maximum retention of moisture in natural suspension around the XIT Grounding System	Yes	No
Contains carbon which will produce galvanic activity in a copper grounding system leading to premature corrosion below-grade and out of sight	No	Yes
Proven in 30 years of trouble-free grounding installations	Yes	No
Contains irritants that can cause alkali burns on the skin	No	Yes