

Direct Buried Metal Pole

Set. Ground. Protect.

SAE has engineered a method to streamline the installation of direct buried metal poles. Structural stability, corrosion protection and grounding are simultaneously achieved when using ConduCrete, eliminating the need for commonly damaged insulated coatings, and the need for additional grounding. Create a ground electrode significantly larger than traditional grounding methods, while ensuring your asset lasts its expected lifetime.



ConduCrete Solution Benefits

- Set and backfill the pole with high strength, low permeability, conductive concrete
- Simultaneously ground the pole by creating a ground electrode considerably larger than a ground rod
- Prevent corrosion due to the impermeable nature of the conductive material



By setting, grounding and protecting the pole in one application, no additional construction is required to install grounding at a later date.

Conventional insulating coatings are commonly damaged during installation and can increase the risk of rapid corrosion, rather than prevent it.

The insulating coating may be removed from the pole manufacturing process, saving both time and money.

EFFICIENT POLE CONSTRUCTION

Set

ConduCrete meets civil design strength requirements to ensure a strong, supportive backfill. SAE ConduWedges are used to brace the pole while the backfill cures, ensuring construction can proceed to the next structure without delay.

Ground

ConduCrete is a highly conductive material. By encapsulating the metal pole, a large surface area electrode is created, eliminating the need for additional or separate grounding.

Protect

ConduCrete offer a very low permeability to water. This ensures water does not come into contact with the metal, greatly reducing the risk of corrosion.

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