



- Long Lifecycle
- Effective Performance
- Cost Efficient
- Corrosion Resistant

Pre Cast Electrode Grounding Revolutionized

SAE's **Pre Cast Electrode** is a grounding electrode specifically designed for applications where fast, efficient grounding installations are required and where ground rods are ineffective due to high resistance or corrosive soils. The **Pre Cast Electrode** offers the following advantages:

- Enhanced corrosion resistant grounding
- Surface area equivalent to five 8' ground rods
- Lifecycle equal to or greater than the protected asset
- Environmentally friendly

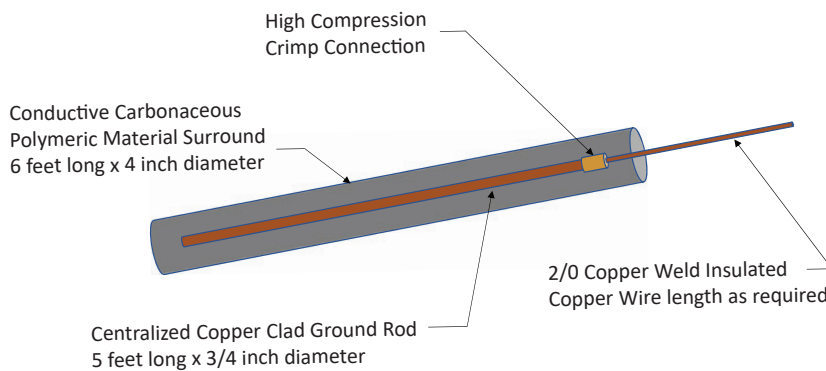
SAE's **Precast Electrode** is a 6' long, 4" diameter ground electrode that consists of a 3/4" copperclad ground rod factory molded inside a low permeability conductive polymer.



Applications

Where corrosive soils and nearby cathodic protection systems exist and where desired grounding R-values are more difficult to obtain.

Product Specifications



Properties	Typical Value
Permeability to Water	1.72×10^{-7} cm/sec (ASTM D5084)
Resistance	0.031 Ω
Resistivity	30.39 $\Omega \cdot \text{cm}$
Electrolytic Corrosion Resistance	
Copper	Eliminated (98 – 100%)
Steel	Eliminated (98 – 100%)
Galvanized Steel	Eliminated (98 – 100%)
Freeze-Thaw Withstand	30 years
Environmental Impact	Neutral

Updated: 5/8/2020