

Conducrete®

FREQUENTLY ASKED QUESTIONS

Conducrete®, certified to NSF/ANSI standard 60 and exceeds the best practices as set out by IEEE 80-2013, is a conductive cementitious material that dramatically enhances the performance, reliability and longevity of grounding systems; it can be considered as...

- Ground Enhancement Material (GEM)
- Conductive material which sets similarly to concrete
- Conductive backfill

When should the use of Conducrete® be considered?

- To achieve acceptable grounding performance difficult due to soil conditions.
- To prevent corrosion of the grounding electrodes and to ensure the grounding system is maintenance free.
- To prevent theft and vandalism related to the grounding system.
- Using Conducrete® ensures better contact between grounding electrodes and the earth.
- Ideal for grounding of electrical high voltage transmission systems and towers, electrical switching stations, substations, wind farms and solar arrays, hydro, gas, coal and nuclear generating plants.

How is Conducrete® installed?

- Horizontal electrodes (dry powder form), augured surround for ground rods, vertical electrodes (slurry form).
- Conducrete® is available in 25 kg bags or 1000 kg totes.

Advantages to SAE Grounding Systems using Conducrete®

- SAE grounding system can reduce GPR, step and touch potentials.
- SAE grounding systems improve electrical system reliability, improve financial results and ROI.
- SAE grounding systems lowers the risk of catastrophic failures and service outages.
- SAE grounding systems reduce legal liability of personnel safety and environmental damage.

Who is SAE?

- 26 years of grounding experience
- Engineers and technicians who have a passion for grounding
- State-of-the-art production facility
- Research and Development facility for product development

What does SAE do?

- Manufacture unique environmentally friendly, long life grounding products including engineering support plus continually works with customers to deliver new solutions to electrical grounding problems.
- Soil resistivity testing
- Grounding audits
- Grounding design
- Forensic analysis