

- Reduces Corrosion
- Quick Installation



Conducrete®

Value. Quality. Innovation.

Conducrete® is a conductive cementitious and carbonaceous material that dramatically enhances the performance, reliability and longevity of grounding and cathodic protection systems. The conductive and insulating materials used in the formulation gives it a capacitive nature. Thus, Conducrete® offers many advantages:

- Extends the life of grounding systems by a factor of up to 20x
- Theft resistant and requires minimal maintenance -- once Conducrete® sets
- Compressive strength and low shrinkage allowing it to withstand fault currents
- High water absorption due to constant hydration
- Environmentally neutral

Conducrete® can store and release energy the same way that a capacitor will store energy until it is grounded or allowed to release the energy into a circuit. The material absorbs high rise time electrical surges keeping ground potential rise in check and preventing damage.



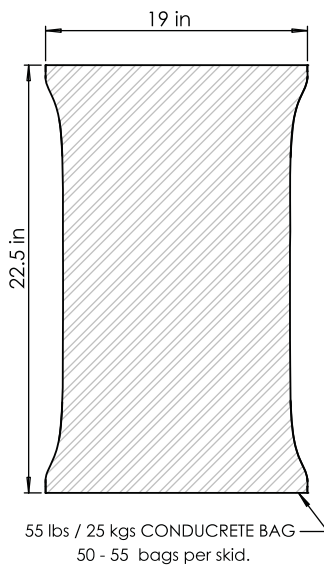
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Applications

- Grounding, lightning & electrical protection systems across various industries including: electrical utilities, telecommunications, broadcasting, wind farms, mining, oil and gas, industrial, commercial, municipal or domestic.
- Cathodic protection (CP) systems, especially impressed current anti-corrosion systems for metal pipelines.
- AC mitigation systems for pipelines and other metal infrastructure co-located with electrical transmission lines in utility and transportation corridors.
- Any type of grounding or deep anode CP systems to be installed in environmentally sensitive areas, especially where preventing aquifer contamination is a critical concern.

Product Specifications



Physical State	Powder
Appearance	Grey
Odour	None
Dry Density	~1021 kg/m ³ (dependent on compaction)
Wet Density	~1700 kg/m ³ (hardened state)
Shrinkage	0.015% at 28 days
Compressive Strength	28 days 27.6MPa
Permeability to Water	2.0 x 10 ⁻⁸ cm/sec
Hygroscopic Property (water absorption)	32.4%
Resistivity (ASTM G187-05)	2.8 to 5.0 ohm-cm
Electrolytic Corrosion Resistance	Eliminated (95% - 100%)
High Fault Current Test Withstand	1682V/688amps for 500 ms
Environmental Impact / pH in situ	Neutral

A Global Player

SAE's innovative premium products and services solve the most challenging grounding, AC mitigation and cathodic protection issues. Founded in 1990, SAE continues to develop best-in-class electrical grounding systems and cathodic protection solutions. In addition to further developing its core business, SAE is currently focused on establishing international distribution for its products and services.