



- Extended Electrode Life
- Reduces Electrode Corrosion
- Theft Deterrent

# 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. **Conducrete®** is available in a 25 lb bag, 55 lb bag or super sacs and offers many advantages:

- Extends the life of grounding systems up to 20x that of traditional systems
- Theft deterrent and maintenance free
- Low impedance electrode providing enhanced lightning protection
- Withstands high fault currents
- Environmentally friendly

**Conducrete®** is capacitive by nature. The material simultaneously absorbs and releases high rise time electrical surges into the ground – ultimately protecting your assets.

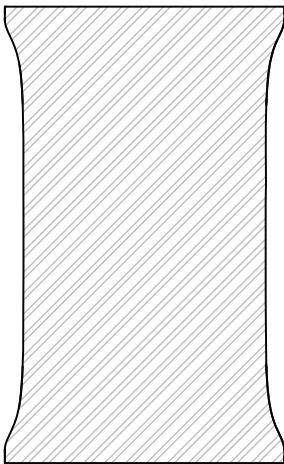




## Applications

- **Grounding, lightning & electrical protection systems** across various industries including: electrical utilities, telecommunications, broadcasting, wind farms, mining, oil and gas, industrial, commercial and municipal.
- **AC Mitigation systems** for pipelines and other metal infrastructure co-located with electrical transmission lines in utility and transportation joint use corridors.
- **Any type of grounding or deep anode (ICCP) systems**, especially where preventing aquifer contamination is a critical concern or when used as a backfill in the patented **EnvirAnode®** ICCP system.

## Product Specifications



25 lbs. | 110 bags per skid  
55 lbs. | 50 bags per skid  
2000 lbs. | 50 bags per skid

Property	Typical Value	
Appearance	Grey	
Odor	None	
	Metric	Imperial
Dry Density (Dependent on compaction)	1021 kg/m <sup>3</sup>	64 lbs./ft <sup>3</sup>
Wet Density (Hardened state)	1700 kg/m <sup>3</sup>	106 lbs./ft <sup>3</sup>
Slurry Density (mixed with 3 US gallons/bag)	1530 kg/m <sup>3</sup>	95 lbs./ft <sup>3</sup>
Shrinkage (28 days)	0.015%	
Permeability to Water	2.0 x 10 <sup>-8</sup> cm/sec	
Hygroscopic Property (water absorption)	25.4%	
Resistivity (ASTM G187-05)	2.8 to 5.0 ohm·cm	
Electrolytic Corrosion Resistance	Eliminated (95% - 100%)	
High Fault Current Test Withstand	1682 V/688 amps for 500 ms	
Environmental Impact/pH in situ	Neutral	
Dry Volume (Per 55 lb. bag)	0.023 m <sup>3</sup>	0.802 ft <sup>3</sup>
Slurry Volume (Per 55 lb. bag)	0.025 m <sup>3</sup>	0.886 ft <sup>3</sup>

Values subject to change.

Updated: 02/11/2020