

SLED ANODE

CerAnode's SLED ANODE is a high-performance offshore cathodic protection solution designed to safeguard coastal infrastructure such as piers, bridges, and cruise ship docks. Built around two of CerAnode's proven Tubular Power Rod anodes, the system is encased in a 4-inch PVC pipe filled with concrete ballast, ensuring stability in dynamic marine environments.

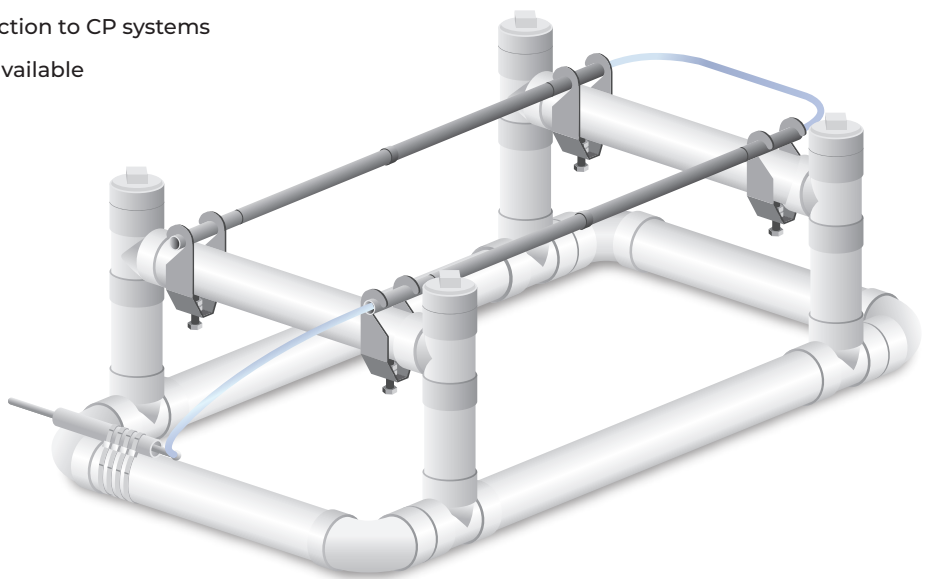
Engineered to operate in diverse conditions—including mud, silt, free-flowing seawater, or stagnant water—the SLED ANODE is ideal for shallow offshore use, lakeshore structures, or installations near the surf zone. Standard designs are available with custom configurations upon request.

Features:

- Dual tubular MMO anodes for high-output performance
- Concrete-filled 4" PVC pipe provides ballast and placement stability
- Designed for changing seafloor conditions: mud, silt, and seawater environments
- Suitable for piles, sheet walls, and submerged structures
- Long cable tails available for remote connection to CP systems
- Standard and custom sled configurations available

PRODUCT VIEW

Sled-mounted dual anode configuration with concrete-weighted PVC pipe housing. Built for cathodic protection of near-shore structures in diverse marine environments.



Advantages:

- Engineered for easy deployment and stable seafloor placement
- Rugged construction for long-term offshore and lakeshore performance
- Factory-assembled with reliable electrical connections
- Operates in stagnant or flowing water conditions
- High-current capacity:
 - 30A in mud or silt
 - 144A in free-flowing seawater
- Rated for 20 years at specified current outputs
- Adjust output 50% for water temperatures below 10°C

STANDARD CERANODE TYPICAL ANODE SIZES

Consult CerAnode for other size and amp rating options

Anode Type	Anode Length in. (cm)	Anode Dia. in. (cm)	Anode Weight lbs/kg	Amps Per Tube
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COKE¹ - SOIL & FRESH WATER (20 Yr. design life)

2.5C/FW20YR	20 (51)	3/4 (1.9)	2 (0.9)	2.5
4C/FW20YR	24 (61)	3/4 (1.9)	2 (0.9)	4
5C/FW20YR	40 (101)	3/4 (1.9)	3 (1.3)	5
8C/FW20YR	48 (122)	3/4 (1.9)	3 (1.3)	8
4C/FW20YR	20 (51)	1 (2.5)	2 (0.9)	4
5C/FW20YR	60 (152)	1 (2.5)	5 (2.3)	5
8C/FW20YR	90 (228)	1 (2.5)	6 (2.7)	8
8C/FW20YR	40 (101)	1 (2.5)	4 (1.8)	8
10C/FW20YR	120 (304)	1 (2.5)	8 (3.6)	10
13C/FW20YR	40 (101)	1 (2.5)	4 (1.8)	13
8C/FW20YR	60 (152)	1.25 (3.2)	8 (3.6)	8

SEA WATER² with 20 Yr. Design Life

8SW20YR	20 (51)	3/4 (1.9)	2 (0.9)	8**
15SW20YR	40 (101)	3/4 (1.9)	3 (1.3)	15**
10SW20YR	20 (51)	1 (2.5)	2 (0.9)	10**
20SW20YR	40 (101)	1 (2.5)	4 (1.8)	20**
33SW20YR	40 (101)	1 (2.5)	4 (1.8)	33**
50SW20YR	48 (122)	1.25 (3.2)	6 (2.7)	50**

MUD with 20 Yr. Design Life

2M/20YR	24 (61)	3/4 (1.9)	2 (0.9)	2
4M/20YR	48 (122)	3/4 (1.9)	3 (1.3)	4
2M/20YR	20 (51)	1 (2.5)	2 (0.9)	2
7M/20YR	40 (101)	1 (2.5)	4 (1.8)	7
10M/20YR	48 (122)	1.25 (3.2)	6 (2.7)	10

Contact CerAnode for additional Tubular Anode sides

Notes:

* Reduce current 50% for operation below 5 degrees C. Impurities may also affect rating.

** Reduce current 50% for operation below 10 degrees C. Impurities may also affect rating.

CABLE FOR CERANODE TUBULAR

HMWPE INSULATION

8 AWG (8.4 mm ²)	HMWPE	0.087 lb/ft (0.130kg/m)
6 AWG (13.3 mm ²)	HMWPE	0.122 lb/ft (0.182kg/m)
4 AWG (21.2 mm ²)	HMWPE	0.175 lb/ft (0.260kg/m)
2 AWG (33.6 mm ²)	HMWPE	0.260 lb/ft (0.387kg/m)
1/0 AWG (53.5 mm ²)	HMWPE	0.405 lb/ft (0.603kg/m)

FLUOROPOLYMER INSULATION

(Choose Kynar®, Halar® or "Fluoro". "Fluoro" = either Halar or Kynar)

8 AWG (8.4 mm ²)	Fluoro/HMWPE	0.083 lb/ft (0.130kg/m)
6 AWG (13.3 mm ²)	Fluoro/HMWPE	0.120 lb/ft (0.130kg/m)
4 AWG (21.2 mm ²)	Fluoro/HMWPE	0.177 lb/ft (0.130kg/m)
2 AWG (33.6 mm ²)	Fluoro/HMWPE	0.260 lb/ft (0.130kg/m)
1/0 AWG (53.5 mm ²)	Fluoro/HMWPE	0.395 lb/ft (0.130kg/m)

EPR/CPE INSULATION

6 AWG (8.4 mm ²)	EPR/CPE	0.150 lb/ft (0.130kg/m)
4 AWG (8.4 mm ²)	EPR/CPE	0.220 lb/ft (0.130kg/m)
2 AWG (8.4 mm ²)	EPR/CPE	0.265 lb/ft (0.130kg/m)
1/0 AWG (8.4 mm ²)	EPR/CPE	0.510 lb/ft (0.130kg/m)

Consult CerAnode for many other Cable options

Notes:

- 1) The backfill chosen must be high grade of fluid calcined petroleum coke with low electronic resistivity and a low contact resistance from particle to particle as well as between the anode and the coke particles (LorescoR SC-3 or equal). A vent pipe (LorescoR AllVent or equal) and centralizers must be used.
- 2) This current rating applies when the anode is totally immersed in water.

