

ENVIROCOKE IV CONDUCTIVE CARBON GROUT

Designed specifically for use in environmentally sensitive areas.

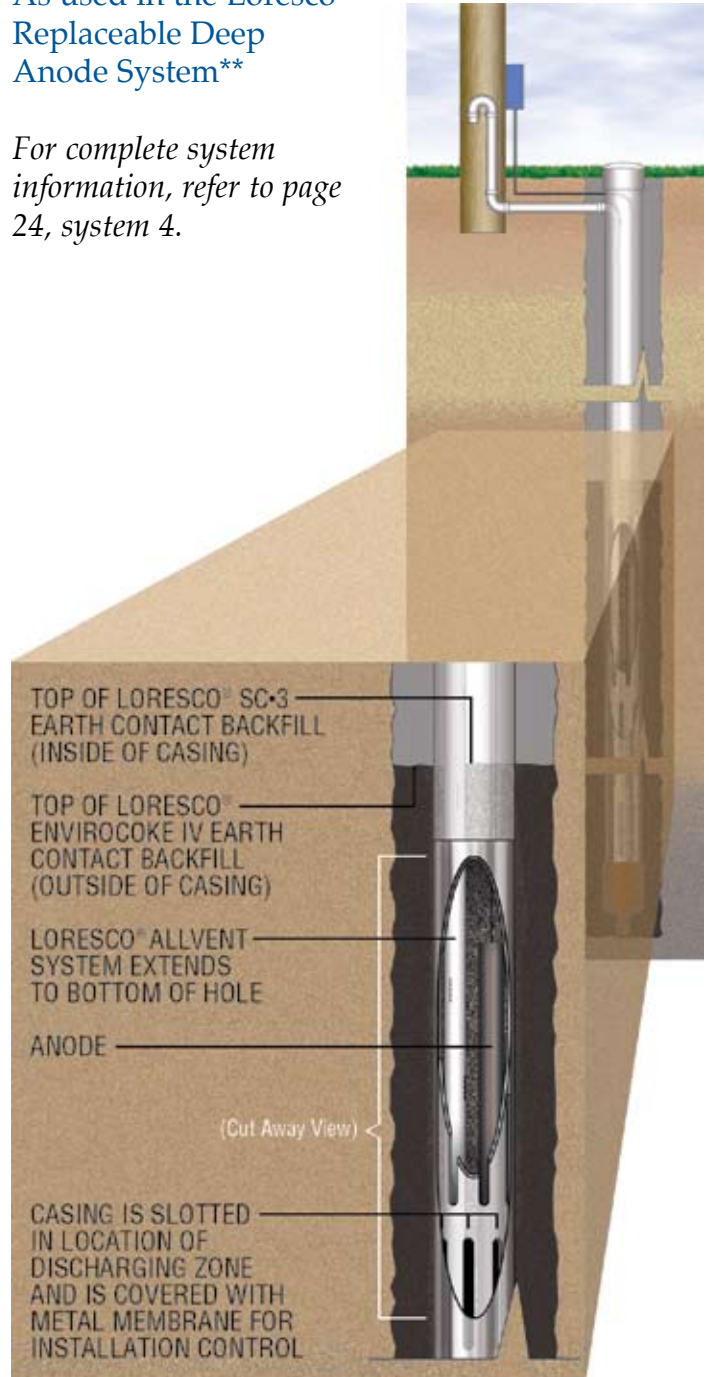
EnviroCoke IV*, the backfill in the Loresco line of products designed specifically for deep cathodic protection systems whose discharge area must include environmentally sensitive zones.

EnviroCoke IV combines the conductive properties of natural round grain Calcined Fluid Petroleum Coke particles with the low permeability properties of grout. The Coke particles are specifically sized to form the main conductive structure of the electrically conductive grout. To enhance the conductivity properties of EnviroCoke IV, other forms of high quality carbon are added to the composite mixture. Further additives make installation easier by minimizing the apparent viscosity of the slurry. The additives insure the compatibility of EnviroCoke IV with equipment normally used to install cathodic protection systems.

EnviroCoke IV is designed specifically for use in the discharging zone on the outside of a conductive casing, with anodes and Loresco SC-3® inside the casing. By placing EnviroCoke IV around the casing on the outside, a conductive seal is formed which serves as an environmental precaution against interchange flow between water bearing formations in the discharging zones. When used in conjunction with PermaPlug,

EnviroCoke IV*
As used in the Loresco
Replaceable Deep
Anode System**

For complete system
information, refer to page
24, system 4.



*(United States Patent No. 5,080,773)

** (United States Patent No. 5,026,508)

EnviroCoke IV™

Earth Contact Backfill

total environmental control can be established.

EnviroCoke IV, with its conductivity and ease of installation, provides a solution to environmental concerns pertaining to deep anode installations in sensitive areas.

INSTALLATION

EnviroCoke IV must be pre-mixed thoroughly with water before pumping. Mix 7 gallons of water with each 100 lbs. of EnviroCoke IV. Mixing and placement may be undertaken as a single batch process or in a continuous series fashion. Once installation has started, pumping should not be interrupted. EnviroCoke IV should be placed by pumping from the bottom of the earth hole up using a minimum 1 inch steel placement pipe. Minimum pumping pressure required in a 300 foot deep system is approximately 125 p.s.i. The casing EnviroCoke IV is placed around will be buoyant during installation.

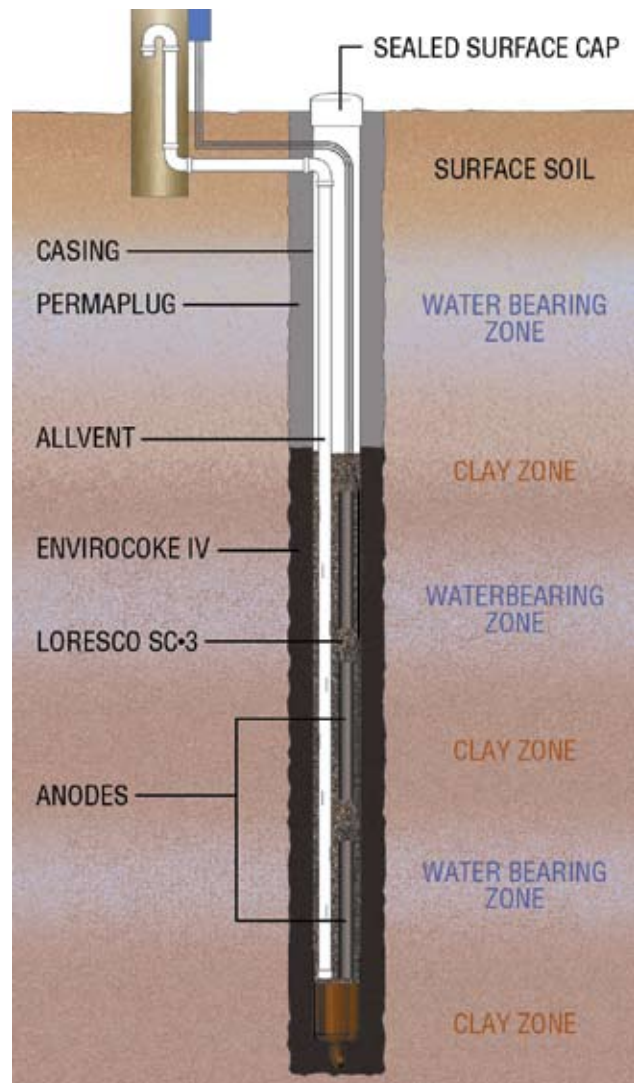
A mud of sufficient weight should be added to the inside of the casing or hold the casing with suitable clamps to prevent floating. EnviroCoke IV becomes structurally stable 24 hours following installation. Clamps or mud may be removed at this time.

EnviroCoke IV is a seal which will minimize water transfer. A vent pipe for the release of gases and as a facility for water addition is recommended. Loresco's AllVent™ is preferred because of its unique design. It is

specifically made for use with the EnviroCoke IV system.

DRY VOLUME OF ENVIRO COKE IV VS. HOLE SIZE

HOLE SIZE	CUBIC FT. PER LINEAR FT.	LBS. OF ENVIRO COKE IV PER FT.	FT. OF ENVIRO COKE IV PER 100 LBS.	LBS. OF ENVIRO COKE IV PER 100 FT. HOLE
4"	.087	6.4	15.7	640
6"	.196	14.3	6.99	1430
8"	.349	25.5	3.93	2550
10"	.545	39.8	2.51	3980
12"	.784	57.2	1.75	5720



EnviroCoke IV in combination with PermaPlug provides total environmental control.