

## SW EARTH CONTACT BACKFILL

Loresco SW is designed for use in impressed current surface systems. SW is also suitable for containerized anode systems and semi-deep impressed current systems. SW may be poured dry or through water or light mud.

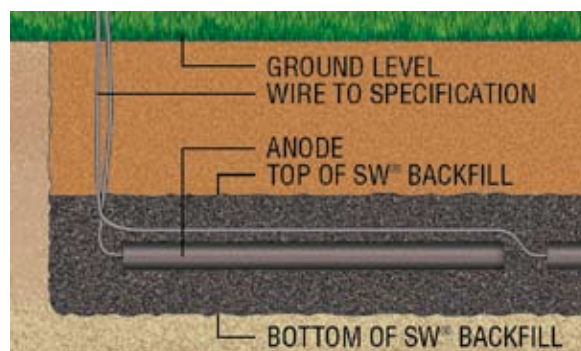
Loresco SW exhibits a hard, round shape and does not require tamping because of its ability to go to full density with simple pouring. The bulk density of SW is 54 lbs. per cubic foot with a porosity of 56.7%. The particle sizing of SW ranges from 1 mm. to 12 mm.

The manufacture of SW is in a highly controlled "hot" atmosphere which produces a particle surface with wettable characteristics. This allows SW to be freely poured directly into water or light mud without sacrificing system integrity due to poorly compacted carbon. Set up time is almost instantaneous. There are no "dedusting oils" allowed in the manufacture of Loresco SW.

Loresco SW is a product designed to be placed in the earth. According to EPA-approved leachate tests, SW meets all purity requirements for materials utilized in underground burial.

## INSTALLATION

Loresco SW may be poured freely in dry applications. If SW is poured through water, the rate should not exceed one-hundred pounds per minute. The rate of pouring should be decreased if the fluid is a light mud.



Typical Horizontal Installation

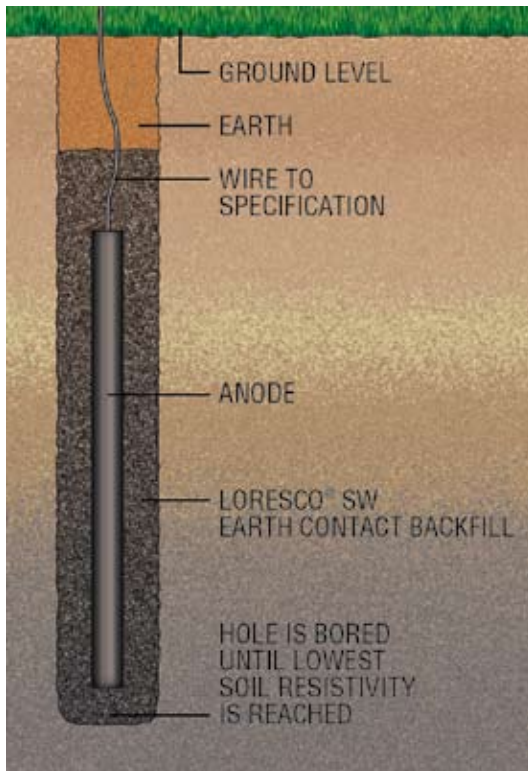
## HORIZONTAL INSTALLATION PROCEDURE

(see illustration)

- Have a reasonably clean ditch (design usually calls for a ditch one foot wide.)
- Pour Loresco SW in a continuous layer six inches deep (or as specified.)
- Place anodes on top of SW.
- Pour SW in a continuous layer until anodes are covered by a six inch backfill cover (or as specified.)
- Fill the remainder of the ditch as specified.

### VERTICAL INSTALLATION PROCEDURE

- Have a reasonably clean hole (depth depending on soil resistivity).
- Place one foot of SW in bottom of hole.
- Lower and center anode in proper position.
- Pour SW over anode until design level is reached.
- Fill remainder of hole as design specifics.



Typical Vertical Installation

### DRY VOLUME OF LORESCO TYPE SW REQUIRED VS. CYLINDRICAL HOLE SIZE

HOLE SIZE	CUBIC FT. PER LINEAL FT.	LBS. TYPE SW PER FT.	FT. TYPE SW PER 100 LBS.	LBS. SW PER 100 FT. OF HOLE
4"	.087	4.7	21.30	470
6"	.196	10.6	9.45	1060
8"	.349	18.8	5.30	1880
10"	.545	29.4	3.40	2940
12"	.784	42.3	2.36	4230

### SPECIFICATIONS

<b>Fixed Carbon</b>	99.35%
<b>Ash</b>	0.6%
<b>Moisture</b>	0.05%
<b>Volatiles</b>	nil (950°C)*
<b>Bulk Density</b>	54 lbs. per cubic foot
<b>Particle Sizing</b>	Ranging from 1mm to 12mm.

*Typical values shown above. Specifications subject to changes without notice.*

*\*Hydrogen / hydrocarbons nil due to calcination temperature in excess of 1200° C*

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