

## DW•1 EARTH CONTACT BACKFILL

Loresco DW•1 is a sized carbon backfill with particles ranging between .004 inch to 1 mm. DW•1 weighs seventy-four pounds per cubic foot and sinks readily in water or light mud. The fixed carbon content of DW•1 is over ninety-nine percent.

Being a sized and predominantly round material, DW•1 may be installed by either pumping or pouring. Approximately seven gallons of water per one-hundred pounds of backfill should be utilized when pumping. DW•1 wets easily and only minimum agitation is necessary before pumping.

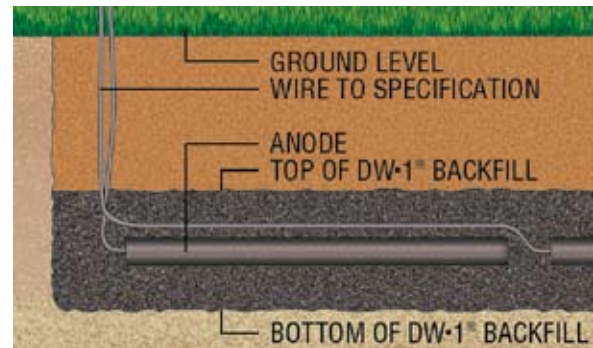
DW•1 is a product specifically manufactured to be placed into the earth. According to EPA-approved leachrate tests, DW•1 meets all purity requirements for materials utilized in underground burial. There are no “dedusting oils” allowed in the manufacture of Loresco DW•1.

## INSTALLATION

Loresco DW•1 may be poured freely into dry applications. Tamping is not required. When it is applied by pumping, the recommended method is to pump from the bottom of the bored hole upward.

After the application pipe (a one-inch steel pipe) has been lowered down to the bottom of the bored hole, it is coupled to a 20 GPM pump with a minimum capacity of 250 psi. Normally, the application pipe does not have

to be raised during pumping procedures. Refer to installation section in this catalog for additional pumping information.



Typical Horizontal Installation

## HORIZONTAL INSTALLATION PROCEDURE

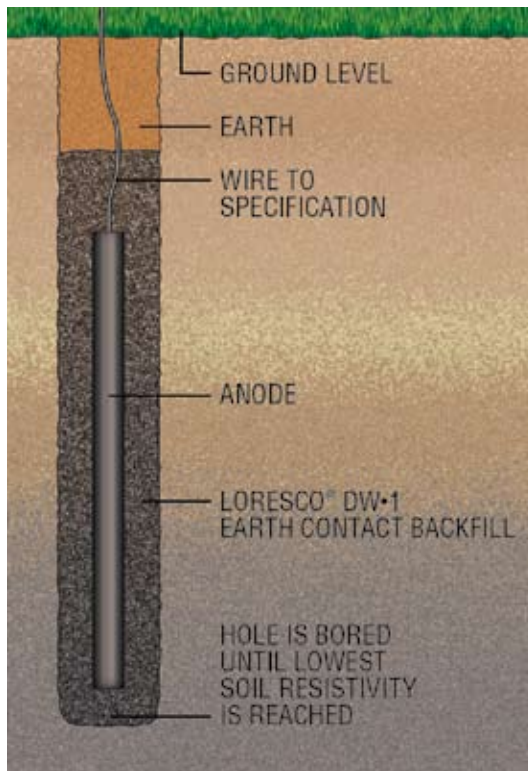
(see illustration)

- Have a reasonably clean ditch (design usually calls for a ditch one foot wide.)
- Pour Loresco DW•1 in a continuous layer six inches deep (or as specified.)
- Place anodes on top of DW•1.
- Pour DW•1 in a continuous layer six inches deep until anodes are covered by a six inch backfill cover (or as specified.)
- Fill the remainder of the ditch as specified.
- Fill remainder of hole as design specifies.

### VERTICAL INSTALLATION PROCEDURE

(see illustration)

- Have a reasonably clean hole (depth depending on soil resistivity.)
- Place one foot of DW•1 in bottom of hole.
- Lower and center anode in proper position.
- Pour DW•1 over anode until design level is reached.
- Fill remainder of hole as design specifies.



Typical Vertical Installation

### DRY VOLUME OF LORESCO TYPE DW-1 REQUIRED VS. CYLINDRICAL HOLE SIZE

HOLE SIZE	CUBIC FT. PER LINEAL FT.	LBS. TYPE DW-1 PER FT.	FT. TYPE DW-1 PER 100 LBS.	LBS. DW-1 PER 100 FT. OF HOLE
4"	.087	6.4	15.70	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

### 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>	74 lbs. per cubic foot
<b>Particle Sizing</b>	Ranging from .004 inch to 1 mm.

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

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