

Loresco DW-1[®], SC-2[™], and SC-3[™] Petroleum Coke Backfill

Low Resistivity for Deep Groundbeds

Coke breeze backfills are designed to lower anode-to-earth resistance. Loresco DW-1, SC-2, and SC-3 backfills not only possess the lowest resistivities on the market today, they also exhibit unique properties which make them ideal for deep groundbed applications.

The DW-1 backfill is composed of carbon particles ranging in size from 0.004 to 0.04 inches. It weighs 74 pounds per cubic foot, and sinks readily in water or light mud. The fixed carbon content of DW-1 is over 99 percent. SC-2 is a “dust-free” sized and surface-modified carbon product designed for impressed current systems. Particle size of the backfill is 0.04 inches. Loresco SC-3 is the finest backfill in the Loresco line. It utilizes the latest technological developments to enhance and maximize the effects of an earth contact backfill. These refinements include improved surface modifications and particle selection, and the “wetting” characteristics of surfactants. These enhancements permit better conductive and pumping properties to make it 40 percent less resistive than common metallurgical coke breeze.

DW-1, SC-2, and SC-3 are manufactured using the same quality standards as other Loresco backfills. They contain 99.77% fixed carbon contents, and are packed in 100-pound woven polypropylene bags with polyethylene inner liners to protect against moisture.



Typical Applications

Loresco DW-1, SC-2, and SC-3 backfills can be used on both surface and deep-groundbed applications. Because they exhibit excellent pumping characteristics, they are ideal for use in deep groundbed installations. All three backfills have been tested according to EPA leachate standards, and have been found to meet the quality requirements for materials utilized in underground burial.

CHEMICAL COMPOSITION

Element	Content%
Fixed Carbon	99.77
Ash	0.1
Moisture	0.0
Volatile Material	0.0



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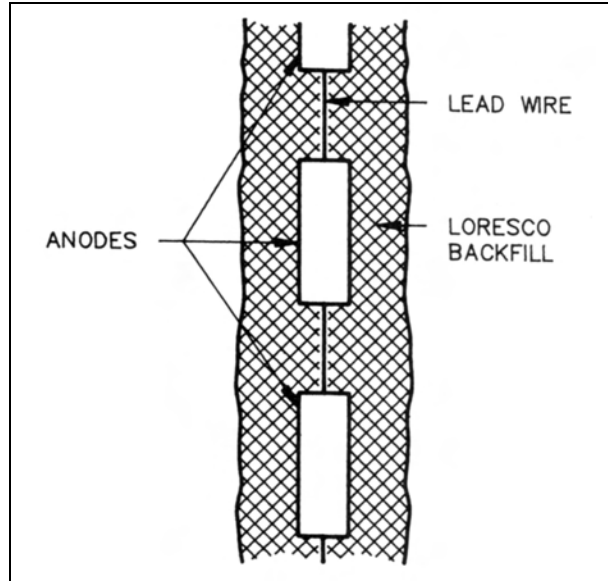
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Ordering Procedure

DW-1, SC-2, and SC-3 compact without tamping to 74 lb./ft.³ To order the required backfill for your structure, indicate that you need either the DW-1, SC-2, or SC-3 backfill, and specify the total pounds required. Calculation of the total pounds necessary can be accomplished using the chart provided. An example is also included to help illustrate this process.

Calculation Example	
ITEM	EXAMPLE
Backfill Material	SC-3
Hole Diameter	6 in.
Hole Depth	10 ft.
Number of Holes	10
Total Backfill Wt.	1,500 lbs.
Total Bags Req'd	15

Calculation Chart			
HOLE DIAMETER		BACKFILL REQUIRED	
in.	(mm)	lbs./ft.	(kg/M)
6	(152)	15	(22.4)
8	(203)	26	(38.8)
9	(229)	33	(49.2)
10	(254)	41	(61.1)
12	(305)	58	(86.5)
14	(356)	79	(117.8)
16	(406)	103	(153.6)



Standard Dimensions and Shipping Weights

BACKFILL	PARTICLE SIZE in. (mm)	BULK DENSITY lbs./ft. ³ (kg/m ³)	SHIPPING WT. PER BAG lbs. (kg)
DW-1	0.0039 – 0.039 (0.1 – 1.0)	74 (1188)	100 (45)
SC-2	0.039 (1.0)	74 (1188)	100 (45)
SC-3	0.039 (1.0)	74 (1188)	100 (45)



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