

Loresco SW[®] and SWK[®]

Petroleum Coke Backfill

Calcined For Higher Carbon Content

Loresco is a naturally formed round grain product, which is modified and sized for use as an earth contact backfill in the corrosion industry. The Loresco SW and SWK backfills are designed specifically for impressed current surface systems and containerized anodes. They are composed of 99.77 percent fixed carbon, and provide a low-resistance environment for improved anode performance. Bulk density for the SW backfill is 54 lb./ft.³, and 70 lb./ft.³ for SWK.

Loresco SW and SWK backfills exhibit excellent compaction qualities. The backfills are composed of hard, round carbon pellets, which provide uniform contact and a consistent bulk density. Particles in the SW backfill range in size from 0.04 to 0.50 inches, and are between 0.004 and 0.500 inches for the SWK backfill. Compliance to these size standards is assured by quality control procedures employed during the manufacturing process. Both backfills are produced in highly controlled “hot” atmospheres, which produce a particle surface with wettable characteristics. This allows the backfills to be freely poured directly into water or light mud without sacrificing system integrity due to poorly compacted carbon.



Typical Applications

SW and SWK backfills have low resistivities and good compactibility. They may be installed dry or mixed with water, and are ideally suited for use in prepackaged anode canisters or in surface groundbeds. Both types of backfills are supplied in 100 lb. woven polypropylene bags with polyethylene inner liners to protect against moisture. Both backfills have been tested according to EPA leachate standards, and 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 Matter	0.0



Corrpro Companies Europe Limited

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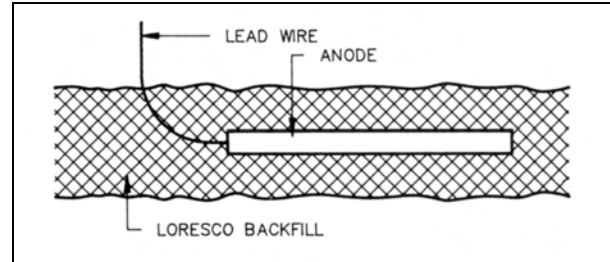
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Ordering Procedure

Loresco SW and SWK compact without tamping to bulk densities of 54 lb./ft.³ and 70 lb./ft.³ respectively. To order the required backfill for your application, indicate that you need either the SW or SWK petroleum coke breeze backfill, and specify the total pounds required. Calculation of the total pounds can be accomplished using the chart provided. An example is also provided to help illustrate this process.



Standard Dimensions and Shipping Weights

BACKFILL	PARTICLE SIZE in. (mm)	BULK DENSITY lbs./ft. ³ (kg/m ³)	SHIPPING WT. PER BAG lbs. (kg)
SW	0.037 – 0.47 (1.0 – 12)	54 (867)	100 (45)
SWK	0.0039 – 0.47 (0.1 – 12)	70 (1124)	100 (45)

Calculation Example

ITEM	EXAMPLE
Backfill Material	<i>Loresco SWK</i>
Hole Diameter	<i>6 in.</i>
Hole Depth	<i>10 ft.</i>
Number of Holes	<i>10</i>
Total Backfill Wt.	<i>1,400 lbs.</i>
Total Bags Req'd.	<i>14</i>

Calculation Chart

HOLE DIAMETER	BACKFILL REQUIRED			
	SW		SWK	
in. (mm)	lbs./ft.	(kg/M)	lbs./ft.	(kg/M)
6 (152)	11	(16.4)	14	(20.9)
8 (203)	19	(28.3)	25	(37.3)
9 (229)	24	(35.8)	31	(46.2)
10 (254)	30	(44.7)	38	(56.7)
12 (305)	43	(64.1)	55	(82.0)
14 (356)	58	(86.5)	75	(111.9)
16 (406)	75	(111.9)	98	(146.2)



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