

The Cost Effective Backfill Material

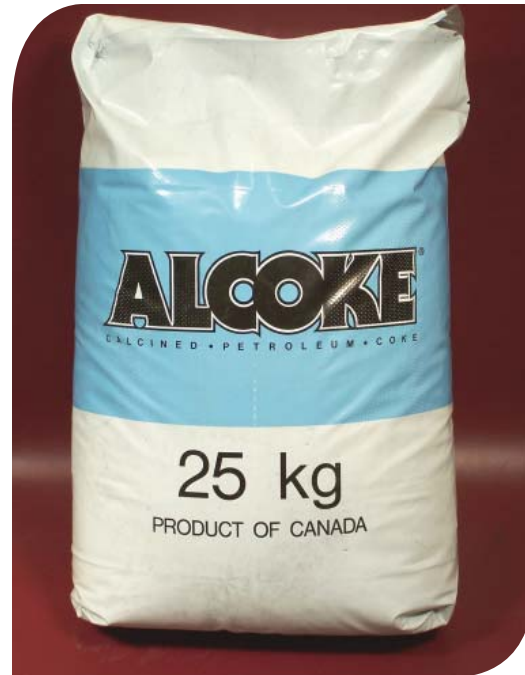
Premium backfills with high carbon contents and low contact resistance values do not have to cost an arm and a leg. Alcoke® is a quality backfill with excellent conductive properties and a very attractive price. It is made from petroleum coke breeze, which is calcined to remove hydrocarbons and moisture. The backfill possesses a high fixed carbon content and an uncompacted resistivity of 4.7 ohm-cm. To ensure excellent anode contact, the backfill is composed of particles varying in size (see standard dimensions). This sizing permits a bulk density of 66 lb/ft³.

Typical Applications

Alcoke® backfill is designed for trouble-free installation. It is supplied in polyethylene bags to protect against moisture intrusion and pours easily. The backfill can be mixed with water for pumping into deep anode beds. Because the backfill has a high bulk density and good compaction properties, minimal tamping is required.

Ordering Procedure

High quality Alcoke® backfill is supplied in 55 lb. polyethylene bags. To order the required quantity for your project, indicate that you need Alcoke® petroleum coke breeze and specify the total weight required. Calculation of the total pounds necessary can be accomplished using the chart. An example is also included on the following page to help illustrate this process.



Chemical Composition

Element	Content %
Fixed Carbon	>99.00
Sulfur	2.00 to 4.00
Ash	<0.50
Volatile Matter	<1.50
Moisture	0.10

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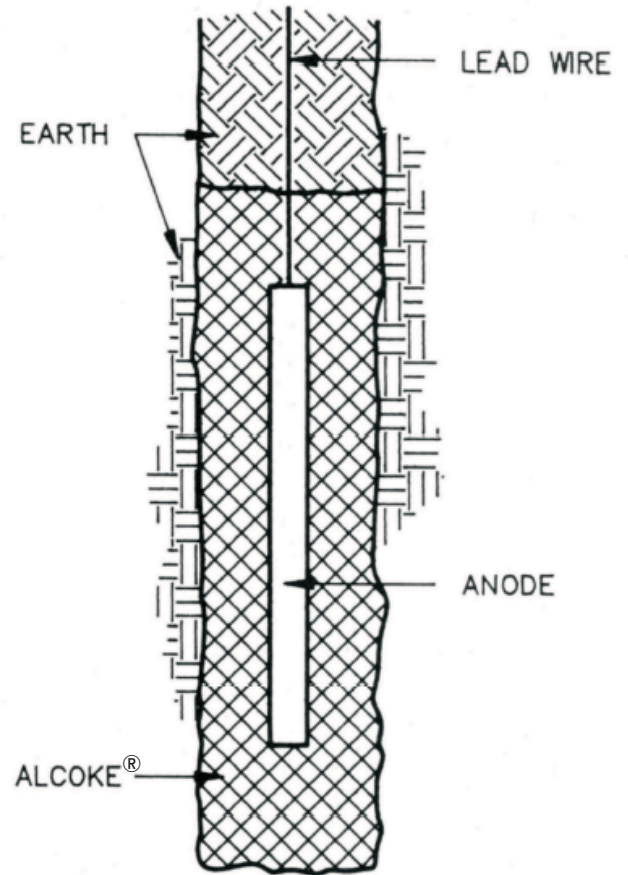
Item	Example
Hole diameter	6 inches
Hole depth	10 feet
Number of holes	10
Total backfill weight	1,300 pounds
Total bags required	24 (55 pound bags)

Calculation Example

Hole Diameter		Backfill Required	
inches	mm	lbs/ft	kg/m
6	152	13	19.4
8	203	23	34.3
9	229	29	43.2
10	254	36	53.7
12	305	52	77.6
14	356	71	105.9
16	406	92	137.2

Standard Dimensions and Shipping Weights

Product	Particle Size		Bulk Density		Shipping Weight	
	inches	mm	lbs/ft ³	kg/m ³	lbs	kg
Regular	0.03 - 0.50	0.8 - 14.0	66	1059	55	25
Crushed	0.01 - 0.08	0.15 - 2.0	66	1059	55	25



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