

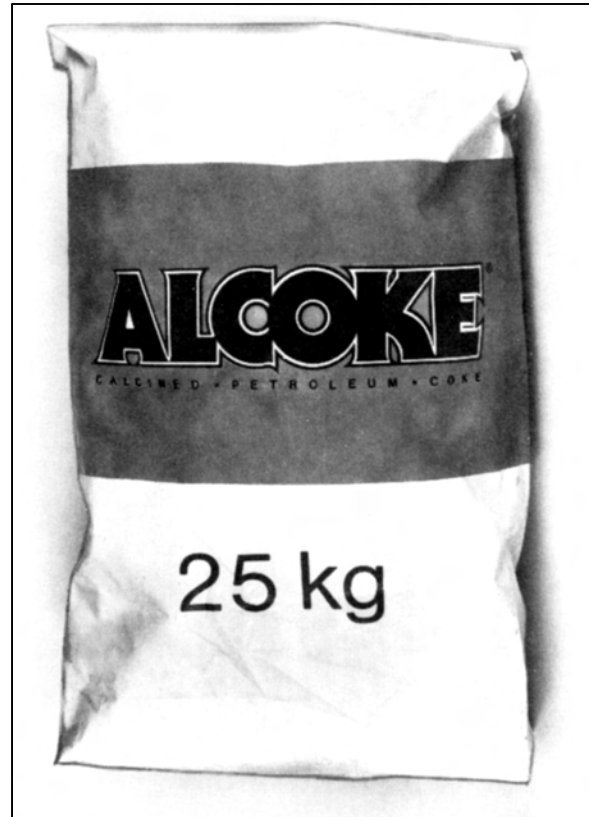
Alcoke[®]

Petroleum Coke Backfill

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 97.47% fixed carbon content and an uncompacted resistivity of 4.7 ohm-cm. To ensure excellent anode contact, the backfill is composed of particles ranging in size from 0.03 - 0.55 inches. This sizing permits a bulk density of 66 lb/ft³.

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.



CHEMICAL COMPOSITION	
Element	Content %
Fixed Carbon	92.30
Sulfur	5.02
Ash	2.39
Volatile Matter	0.70
Moisture	0.10

Typical Applications

Alcoke petroleum coke breeze can be used in both conventional and deep anode groundbeds to lower the resistance-to-earth and improve operating performance. The backfill has excellent pumping qualities and can be either mixed with water or installed dry.



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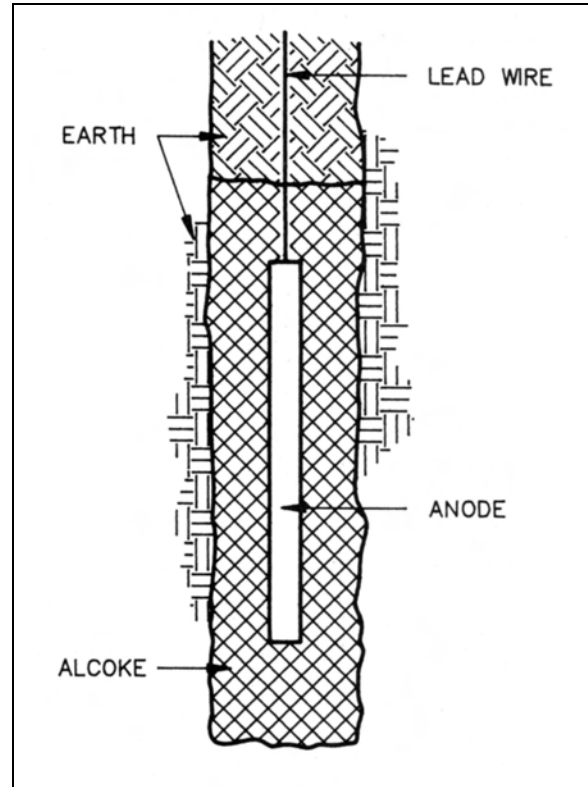
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Ordering Procedure

High quality Alcoke backfill is supplied in 55 lb. and 100 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 provided. An example is also included to help illustrate this process.

Calculation Example	
ITEM	EXAMPLE
Backfill Material	Alcoke
Hole Diameter	<i>6 in.</i>
Hole Depth	<i>10 ft.</i>
Number of Holes	<i>10</i>
Total Backfill Wt.	<i>1,300 lbs.</i>
Total Bags Req'd	<i>24 (55 lb. bags)</i>

Calculation Chart			
HOLE DIAMETER		BACKFILL REQUIRED	
in.	(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					
PARTICLE SIZE		BULK DENSITY		SHIPPING WT	
in.	(mm)	lb./ft. ³	(kg/m ³)	lbs.	(kg)
0.03-0.55	(0.8-14)	66.0	(1059)	55	(25)



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