



# CALCINED PETROLEUM COKE BREEZE

PRODUCT DATA SHEET

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Calcined petroleum coke breeze is a carbonaceous backfill material widely used in underground cathodic protection applications to enhance the performance of impressed current groundbeds.

Our carbon backfill undergoes a thermal treatment process called "calcination" where it is heated at high temperature of approximately 1300~1400 °C in a rotary kiln. Thus, most of the volatile matter and the residual hydrocarbons are eliminated, leaving a high-purity granular carbon.

Thanks to its excellent conductivity, this calcined petroleum coke backfill provides an electrical pathway for current flow — ensuring maximum electronic current transfer with positive anode contact.

## FEATURES

- Lower the anode-to-earth circuit resistance by extending the effective size of the anode
- Increase the anodic discharge current amount by a widely increased contact surface
- Prolong anode service life as the carbon consumed before the anode itself
- Eliminate gas blockage and drying tendencies

## PRACTICAL APPLICATION

Our backfill can either be poured in directly to surround the anode or mixed with water for easy pumping into a deep-well situation. With deep anode systems, pumping from the bottom up is recommended.

## CHEMICAL COMPOSITION

Element	Content (%)
Fixed Carbon	98.5% min.
Ash	1.0% max.
Sulphur	0.5% max.
Volatile	0.5% max.
Moisture	0.5% max.

## SPECIFICATIONS

Item No.	Grain Size	Electrical Resistivity	Bulk Density	Weight
YX-PCB-1	0.004" ~ 0.04" (0.1 ~ 1 mm)	0.1 Ω.cm	72 lbs/ft <sup>3</sup> (1153 kg/m <sup>3</sup> )	50 lbs (22.7 kg)







## Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheep with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.



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