

What is PowerPAC PREMIUM™?

PowerPAC PREMIUM™ is a chemically enhanced powdered activated carbon that has been manufactured specifically for high efficiency removal of mercury emissions from the flue gases of coal-fired power plants. This product utilizes select feedstock and additives, and is produced under tightly controlled operating conditions. It has been designed for facilities burning Subbituminous coal (including PRB) and lignite, waste and biomass fuels. Tests have shown this product to be the most effective activated carbon in full-scale testing at power plants.

Specifications and Properties

Product Name	PowerPAC PREMIUM™
Description	Bromine-enhanced powdered activated carbon
Product Specifications	
Moisture	12% maximum as packed
Size	95% minimum minus 325 mesh
Typical Properties	
Tap Density	0.5-0.7 g/cm ³
Ignition Temperature	Greater than 400 °C (752 °F)

Packaging and Delivery

ADA PowerPAC PREMIUM™ can be purchased in 1000-pound bags, or can be delivered in pneumatic bulk trailers.

Safety Warning

If powdered activated carbon becomes wet while in a confined or closed space, it may deplete the oxygen levels from the air. The oxygen content of the air in the confined space should be determined before workers are allowed to enter such a space. All applicable low-oxygen work rules and procedures should be followed.

Avoid excessive inhalation of activated carbon dust. Appropriate protective equipment should be worn when working with activated carbon, including eyewear and respiratory protection.

Product Benefits

- Effective pore structure and chemical functionality for mercury control adsorption
- Small average particle size (approximately 20 µm)
- Designed for use with low halogen coals
- Handles and flows well in utility injection systems
- Backed by ADA's mercury control expertise