

FLUEPAC® STH

Powdered Activated Carbon

Applications



Flue Gas



Environmental
Air

Description

Fluepac STH is a brominated powdered activated carbon specially formulated to enhance mercury capture in flue gas treatment applications with elevated levels of sulfur trioxide (SO₃). It is also extremely effective on units that utilize DSI with sodium-based sorbents. Fluepac STH exhibits similar performance to Fluepac STF but accomplishes this with less bromine. Its formulation allows for improved performance over standard PAC at reduced injection rates.

Fluepac STH is injected directly into the flue gas stream and is easily removed by existing particulate control devices. The reduced ratio of carbon to fly ash and the product's inherent concrete friendliness preserves the fly ash suitability for sale or non-hazardous disposal.

Features / Benefits

- Large number of high energy adsorption pores for mercury capture
- Good transport pore structure
- Concrete-friendly product
- Excellent flowability and minimal volatile content
- Sulfur tolerant formulation
- Product has demonstrated the ability to remove greater than 95% of mercury from flue gas
- Rapid adsorption kinetics lead to low required contact times

Specifications

	Fluepac STH
Moisture, as packed by Weight	12% (max)
Sieve Size by volume (laser analysis)	
<100 US Mesh	100% (min)
<325 US Mesh	95% (min)

Typical Properties*

	Fluepac STH
Apparent Density (tamped)	0.4–0.8 g/cc
Ignition Temperature	>350°C

*For general information only, not to be used as purchase specifications.

Safety Message

Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be followed.

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