

## DioxSorb® BP5

### powdered coal based activated carbon

#### Features and Benefits

- High macropore volume
- Strictly controlled particle size
- Moderate surface activity
- Approved product
- Optimal adsorption kinetics
- Rapid contaminate diffusion
- Effective heavy metals removal
- Cost effective

#### Typical Applications

- Municipal waste-to-energy plants
- Clinical waste incinerators
- Hazardous waste incineration
- Coal fired plants
- Thermal soil remediation facilities

#### Certifications and Approvals

- VDI 2263

#### Standard Packaging

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)



The paper bag from Jacobi sets the standard in the industry for clean, durable and safe handling.

DioxSorb® BP5 is a specially prepared activated carbon manufactured from selected grades of bituminous and anthracite coals. DioxSorb® BP5 is highly efficient in the removal of dioxins, furans and a range of heavy metals found in exhaust gas streams from waste incineration. The product is manufactured to exhibit a high proportion of transport pores to allow rapid diffusion of dioxin into the internal structure of the carbon for adsorption to occur. The particle size of the material is carefully controlled to optimize the kinetics of adsorption while maintaining high removal efficiency in both mechanical and electrostatic filtration systems. The enhanced product density assists in the dispersion of the material in the gas stream ensuring optimum contacting with gaseous pollutants.



Waste incinerators and coal fired power plants rely on DioxSorb® powdered activated carbons for achieving their emission control goals.

#### Specification

Iodine number	min. 500 mg/g
Total ash content	max. 25%
Moisture content	max. 5%
-200 mesh	min. 80% by wt.

#### Typical Properties

BET surface area	600 m <sup>2</sup> /g
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Jacobi Carbons reserves the right to modify specifications without prior notice. To obtain a full sales specification with test methods, please contact your nearest Jacobi Carbons office.

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Polyethylene paper bags of  
25 kg (55 lb) net weight on  
500 kg (1100 lb) pallets



Polypropylene FIBCs (super  
sacks) of 500 kg (1100 lb)  
net weight

**CAUTION** Activated carbon is a strong oxidizing agent and can remove oxygen from air under wet or humid conditions. Care should be taken when entering confined spaces where wet activated carbon is present. Ensure the use of correct breathing apparatus. Material Safety Data Sheets should be consulted for further details on procedures in the event of contact with activated carbon.

**NOTICE** Due to the progressive nature of Jacobi Carbons Group and the continually improving design and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether products and the information contained in this document are appropriate for customer's use. Jacobi Carbons assumes no obligation or liability for the usage of the information in this datasheet, no guarantees or warranties, expressed or implied, are provided. Jacobi Carbons disclaims responsibility and the user must accept full responsibility for performance of systems based on this data.

ISO 9001

BUREAU VERITAS  
Certification

