

## DioxSorb® BP4

powdered coal based  
activated carbon

### Features and Benefits

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

### 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

DioxSorb® BP4 is a highly economical powdered activated carbon manufactured by steam activation from selected grades of bituminous coal. The perfect balance between adsorption and transportation pores provides excellent performance in the control of dioxins, furans and heavy metals in incinerator waste streams. A high proportion of macropores ensures rapid diffusion into the internal pore structure. The strictly controlled particle size obtained during manufacture of DioxSorb® BP4 maximizes the adsorption potential of the product to ensure compliance with most stringent emission requirements.



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

### Specification

Iodine number	min. 700 mg/g
Total ash content	max. 10%
Moisture content	max. 2%
-325 mesh	min. 30% by wt.

### 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.

### Typical Properties

BET surface area	750 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

