Bysorb VapourShield Product Data Sheet

Activated Carbon for Gas Treatment

Bysorb VapourShield is a high-quality activated carbon tailored for gas treatment applications. Ideal for industrial exhaust systems, air purification units, and emission control, it supports air quality management and compliance with regulatory standards. It combines cutting-edge technology with emphasising environmental responsibility. This product is a preferred choice for improving gas management responsibly. Bysorb VapourShield is available in various biomass materials, iodine numbers, and surface areas to suit specific application needs.

SPECIFICATION RANGE

Raw Material Options	Coconut Shell, and Coal
Type	GAC, and Pellets
Iodine Number	700–1100 mg/g
Methylene Blue Adsorption	150 - 250 mg/g
Moisture Content	5-10 wt%
Ash Content	5 - 15 wt%
Apparent Density	0.45–0.55 g/mL
CTC (Carbon Tetrachloride Activity)	40 - 65 %
Butane Adsorption Capacity	≥ 17%
Hardness	92–99%
Available in Mesh Sizes	• GAC: 12x40, 8x30, 8x16, 4x8 • Pellets:2-6mm
Packaging Options	20 KG and 500 Kg bags

* Specification values are for informational purposes only and represent typical ranges. For exact specifications, please contact Bygen.

APPLICATION BENEFITS

Bysorb Vapourshield excels in adsorbing gaseous pollutants, effectively reducing emissions and odours. Its robust composition allows seamless integration into gas treatment infrastructure, providing a dependable solution for enhancing environmental performance and workplace safety. The product delivers stable results under varying operational conditions and supports waste reduction through its environmentally responsible formulation.

APPLICATIONS & INDUSTRY SECTORS

- Air and gas purification
- Flue gas treatment
- Automotive emission control
- Gas processing
- Solvent recovery
- Air filtration in food and beverage industry

With multiple forms available—customised by raw material, iodine number, and surface area—Bysorb Vapourshield offers tailored performance for diverse treatment challenges.

TARGETED CONTAMINANTS

Volatile Organic Compounds (VOCs)	Removes emissions from solvents and fuels
Sulphur Compounds	Neutralises corrosive and odorous gases.
Ammonia	Eliminates irritating vapor-phase contaminants.
Hydrocarbons	Adsorbs oily residues from gas streams.
Solvent Vapours	Captures chemical fumes from industrial processes.

KEY PROPERTIES

Optimised Porosity	Provides extensive surface area for efficient gas adsorption.
Flow Compatibility	Ensures minimal resistance in air-handling systems.
Longevity	Offers sustained performance in challenging conditions.
Sustainable Advantage	Manufactured using renewable materials, reducing ecological footprint and promoting sustainable operations.
Thermal Stability	Withstands high-temperature environments effectively.
Broad Applicability	Suits a wide range of gas treatment setups.

CERTIFICATIONS

- ISO 9001:2015
- ISO 14001:2015

Additional certifications available upon request, subject to availability.

NOTE

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. For further details or technical support, email info@bygen.com.au

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For all sales enquiries, please contact: sales@bygen.com.au
For customer service, technical support, or general enquiries, please email: info@bygen.com.au

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