

# Bysorb EcoGold Product Data Sheet

## Activated Carbon for Gold Recovery

Bysorb Ecogold is a high-performance activated carbon designed for gold recovery in mining operations. It optimises the extraction of precious metals from leaching solutions, enhancing refining and processing efficiency to support operational profitability. This product blends superior functionality with sustainable principles. It is a strategic asset for supporting both production targets and environmental responsibility. Bysorb EcoGold 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
Iodine Number	≥ 1000 mg/g
CTC (Carbon Tetrachloride Activity)	≥ 60%
Moisture Content	3 - 8 wt%
Ash Content	3 -10 wt%
Gold Capacity	28–37 kg Au/T
Apparent Density	0.40–0.55 g/mL
Hardness	98 - 99%
Available in Mesh Sizes	GAC: 12x40, 8x30, 6x12, 8x16, 4x8
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 EcoGold enhances gold recovery by selectively adsorbing metal complexes from process solutions. Its optimised structure maximises yields and integrates seamlessly into extraction systems, offering a cost-effective solution for mining operations. It ensures consistent recovery rates under demanding conditions. Additionally, its environmentally responsible production supports sustainable resource management. The high CTC activity enhances its ability to adsorb gold efficiently, enhancing overall recovery performance and process economics.

### APPLICATIONS & INDUSTRY SECTORS

- Gold mining
- Heap leaching operations
- Gold refining facilities
- Artisanal & small-scale mining
- E-Waste & secondary gold recovery
- Pilot plants & metallurgical testing

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

TARGETED CONTAMINANTS

Gold Particles	Adsorbs fine gold from cyanide solutions.
Cyanide Complexes	Adsorbs gold-bound compounds used in leaching.

KEY PROPERTIES

Gold-Targeted Porosity	Features a highly porous structure for rapid and effective contaminant adsorption.
Strong Retention	Optimised for water treatment systems across various scales.
Resilient Structure	Maintains performance over extended use.
Sustainable Advantage	Produced from renewable resources, minimising environmental impact and supporting green initiatives.
High CTC Activity	Ensures maximum contaminant uptake for consistent results.

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](mailto:info@bygen.com.au)

