bysorb™

TECHNICAL DATA SHEET

Product: Bysorb Ecogold

Features & Benefits

- Selective adsorption of metal complexes
- Maximises gold recovery yields
- Consistent performance under demanding conditions
- High CTC activity for efficient adsorption
- Sustainable production

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 excellent functionality with sustainable principles. It is a strategic asset for supporting both production targets and environmental responsibility. **Bysorb Ecogold** is available in various Iodine, CTC and mesh sizes to suit specific application needs.

Applications:

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

Specifications

Bysorb Ecogold	
Raw Material Options	Coconut Shell
Iodine Number	950 - 1100 mg/g
CTC (Carbon Tetrachloride Activity)	45 - 60%
Attrition	1%
K Value	26-32 Kg/T
R Value	50-65%
Platelet Content	3%
Ash Content (Max.)	3 wt%
Apparent Density	0.45-0.55 g/ml
Hardness	98 - 99%
Available in Mesh Sizes	GAC: 6x12, 6x16, 8x16
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.
*Determined using relevant ASTM standard unless stated otherwise
*Determined using in-house methodology

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. For more information, contact info@bygen.com.au

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.

Targeted Constituents:

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

Key Properties

- Gold-Targeted Porosity: Engineered for optimal metal adsorption.
- Strong Retention: Ensures secure capture for efficient processing.
- Resilient Structure: Endures rigorous mining conditions.
- Sustainable Advantage: Produced from renewable materials, balancing efficiency with environmental responsibility.
- High CTC Activity: Offers superior adsorption capacity for gold, enhancing recovery performance.

Certifications

- ISO 9001:2015
- ISO 14001:2015

Additional certifications may be available upon request.

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