



TECHNICAL DATASHEET

GoldSorb® 5500

Granular coconut shell based activated carbon

GoldSorb® 5500 is a high activity granular activated carbon manufactured by steam activation from carefully selected coconut shell charcoal. It is ideally suited for the recovery of precious metals in all forms of contactors providing good adsorption and elution characteristics. GoldSorb® 5500 exhibits a highly developed pore structure to give optimum adsorption while maintaining high product hardness. This contributes to a high gold loading capacity and consistency recovery of properties following regeneration. As a result, make-up requirements are minimized reducing the cost of operation.



SPECIFICATION*

CTC activity	min. 55%
Total ash content	max. 4%
Moisture content	max. 5%
Apparent density	450 – 550 kg/m ³
Hardness	min. 99%
Platelets (A.A.R.L.)	max. 7%
Attrition (A.A.R.L.)	max. 2%

TYPICAL PROPERTIES*

K value	28 kg/tonne
R value	55%
Particle Size Distribution	
> 6 mesh	< 5.0%
< 12 mesh	< 4.0%
> 8 mesh	< 5.0%
< 16 mesh	< 4.0%

* SPECIFICATIONS AND TYPICAL PROPERTIES ARE PRODUCED USING JACOBI CARBONS' TEST METHODS. THEY ARE LISTED FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE USED AS PURCHASE SPECIFICATIONS. SALES SPECIFICATIONS CAN BE OBTAINED FROM YOUR JACOBI CARBONS TECHNICAL SALES REPRESENTATIVE AND SHOULD BE REVIEWED BEFORE PLACING AN ORDER.

Features and Benefits

- High loading capacity
- Enhanced pore structure
- Maximum hardness and abrasion resistance
- Rigorously de-dusted
- Low platelet content
- Good adsorption and elution characteristics
- Economical operation
- Low circuit losses, low make-up requirement
- Clean handling during contactor loading

Typical Applications

- Carbon-in-pulp (CIP) circuits
- Carbon-in-leach (CIL) circuits
- Carbon-column (CIC) processes
- Silver recovery from photographic wastes
- Reworking of ore spoil tips

Available Particle Sizes

- 6x12 mesh (3.35 - 1.70 mm)
- 8x16 mesh (2.36 - 1.18 mm)

Standard Packaging

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



Polyethylene liner-free FIBCs (super sacks), two bags per pallet

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CIP TYPICAL DESIGN PARAMETERS

Treatment capacity	125000 t per month
Gold head grade	4 g/t
Pulp flowrate	240 m ³ /h
No. of CIP contactors	6
Volume of contactors	160 m ³
Mass of GoldSorb®	5 t per contactor
Rate of GoldSorb® transfer	2.75 t per day

FOR EASY CONVERSION TO IMPERIAL UNITS, PLEASE VISIT WWW.JACOBI.NET

CIL TYPICAL DESIGN PARAMETERS

Treatment capacity	250000 t per month
Gold head grade	4 g/t
Pulp flowrate	475 m ³ /h
No. of CIL contactors	8
Volume of contactors	1780 m ³
Mass of GoldSorb®	20 t per contactor
Rate of GoldSorb® transfer	5.5 t per day

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PRODUCTION CAPABILITY

Jacobi Carbons manufactures the GoldSorb® range of activated carbons from high grade coconut shell raw material in purpose built facilities using horizontal rotary kiln activation techniques. GoldSorb® is manufactured exclusively in our own factories in India, Sri Lanka and Vietnam. Our geographically diversified manufacturing base and use of in house raw material processing is a unique guarantee of supply security available from Jacobi Carbons. GoldSorb® is currently supplied to an excess of 30 countries world wide.

CARBON TESTING AND CIRCUIT AUDIT SERVICE

Minor variation in the recovery process or an error in carbon management can have dramatic effects on gold recovery yields. Jacobi Carbons can provide technical assistance which goes far beyond standard carbon testing services our unrivalled expertise allows us to provide trouble shooting input, carbon management training and recovery circuit optimization. More information on this invaluable service is available on request



For more information or to contact Jacobi visit: www.jacobi.net

NOTICE Due to the progressive nature of the 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.

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