Jacobi THE CARBON COMPANY | PICA A JACOBI CARBONS COMPANY

TECHNICAL DATASHEET

PICAGOLD® G210AS

Gold mining application

Premium regenerable granular microporous activated carbon specially developed for high efficiency in gold recovery operations (CIL & CIP). This grade is specifically designed to ensure the carbon maintains excellent characteristics over time even when processing hard ore. It is highly recommended for initial fills of recovery circuits as PICAGOLD® G210 AS provides a guarantee of effectiveness and low make up of losses from carbon inventory.

SPECIFICATION*	
Butane adsorption	min. 23%
Total ash content	max. 4%
Moisture content	max. 5%
Apparent density	450 – 550 kg/m³
Ball pan hardness	min. 99%
Platelets (A.A.R.L.)	max. 5%
Attrition (A.A.R.L.)	max. 1.5%
Mean particle diameter	
6x12 mesh	min. 2.48 mm
8x16 mesh	min. 1.55 mm

TYPICAL PROPERTIES*	
K value	30 kg/tonne
R value	60%
Platelets (A.A.R.L.)	4%
Attrition (A.A.R.L.)	1%

* 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

- Rapid adsorption kinetics
- High gold loading capacities
- Very low soluble gold losses
- Suitable for silver rich ores
- Highly recommended for 'preg robbing' ores
- Very high resistance to attrition
- Negligible carbon losses
- Homogenous activation of grains
- Low deterioration of adsorption with time and over regeneration cycles
- Good 3-dimensional shape preventing screen pegging or clogging
- Low head losses and optimization of adsorption kinetics

Available Particle Sizes

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

Standard Packaging

- 500 kg bulk bag (1100 lb)
- Other packing considered on request

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

Visit: www.jacobi.net

Technical Datasheet: PICAGOLD® G210AS

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 PICAGOLD®	5 t per contactor
Rate of PICAGOLD® 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 PICAGOLD®	20 t per contactor
Rate of PICAGOLD® transfer	5.5 t per day

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PRODUCTION CAPABILITY

Jacobi Carbons manufactures the PICAGOLD® range of activated carbons from high grade coconut shell raw material in purpose built facilities using horizontal rotary kiln activation techniques. PICAGOLD® 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. PICAGOLD® 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

JACOBI-TDS-PICAGOLD-G210AS-A4-ENG-A0112

Jacobi Corporate Headquarters
Slöjdaregatan 1
SE-39353 Kalmar | Sweden
Tel: +46 480 417550 | Fax: +46 480 417559
info@jacobi.net | www.jacobi.net

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THE CARBON COMPANY