SHERWIN INDUSTRIES

COCONUT SHELL ACTIVATED CARBON

NATURAL CARBON. ENGINEERED PERFORMANCE.



High-performance adsorption solutions for a cleaner world.

Sherwin Industries manufactures and supplies coconut shell based activated carbon for demanding purification, adsorption and recovery applications.

Our focus is on quality-minded manufacturing, consistent product characteristics and solutions aligned with customer requirements.

RENEWABLE	PERFORMANCE	RELIABILITY
Coconut-shell raw material	Application-focused grades	Quality-led approach

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ABOUT SHERWIN INDUSTRIES

Activated carbon. Naturally sourced. Technically engineered.

Established in August 2026, Sherwin Industries is a new-generation activated carbon company focused on coconut shell based activated carbon for industrial and environmental applications. Based in Tuticorin, Tamil Nadu, India, we aim to build long-term partnerships through responsive service, product consistency and application-focused solutions.

OUR VISION

To become a trusted global supplier of high-performance coconut shell activated carbon, recognized for quality, innovation, reliability and responsible manufacturing.

OUR MISSION

To deliver consistent activated carbon solutions that help industries purify, recover and protect valuable resources while promoting responsible use of renewable raw materials.

WHY COCONUT SHELL?

Coconut shell is a renewable agricultural by-product and a valuable raw material for activated carbon. Its dense structure can support the development of microporosity and useful mechanical strength during activation. Performance depends on the grade, manufacturing process and application.

01 RENEWABLE RESOURCE:
Transforms coconut shell into a value-added purification material.

02 DEVELOPED MICROPOROSITY:
Pore structure supports adsorption across suitable applications.

03 MECHANICAL STRENGTH:
Hardness and attrition performance can be important in demanding processes.

04 APPLICATION VERSATILITY:
Grades can be selected to suit liquid-phase or gas-phase treatment needs.



PRODUCTS & APPLICATIONS

Carbon solutions for industrial performance.

GRANULAR ACTIVATED CARBON (GAC)	POWDERED ACTIVATED CARBON (PAC)
For continuous filtration, adsorption and purification. Typical applications include water and wastewater treatment, gold recovery, air purification and industrial process treatment.	For rapid adsorption and batch dosing. Typical applications include water treatment, wastewater, decolorization, food and beverage processing and selected chemical applications.
ACID-WASHED GRADES	**SPECIALTY / CUSTOMIZED GRADES**
For applications where reducing ash and selected inorganic impurities is important. Availability and suitability are subject to grade confirmation.	Grade requirements can be discussed around iodine value, CTC activity, mesh size, hardness, ash, moisture, pH and apparent density.

Activated Carbon Technical Specifications

PARAMETER	REGULAR	ACID-WASHED	TEST METHOD
Oversize (+)	5% max.	5% max.	ASTM D2862
Undersize (-)	5% max.	5% max.	ASTM D2862
Apparent density	0.450-0.550 g/mL	0.450-0.550 g/mL	ASTM D2854
Moisture	5% max.	5% max.	ASTM D2867
Ash	5% max.	5% max.	ASTM D2866
CTC activity	45, 50, 55, 60%	45, 50, 55, 60%	ASTM D3467
Iodine value	950, 1000, 1050, 1100 mg/g	950, 1000, 1050, 1100 mg/g	ASTM D4607
Ball-pan hardness	98% min.	98% min.	ASTM D3802
pH	9-11	6-8	ASTM D3838

Mesh Size Specifications

3 x 6 | 4 x 8 | 4 x 10 | 6 x 12 | 8 x 16 | 8 x 30 | 12 x 30 | 12 x 40 | 18 x 40 | 20 x 50
20 x 70 | 30 x 60 | 50 x 250 | 60 x 200 | 80 x 325

Water & Wastewater
Organic impurity, taste, odour and selected contaminant adsorption.

Air & Gas
VOC, odour and selected gas-phase purification applications.

Chemical & Industrial
Process-liquid purification, colour removal and industrial treatment.

Gold Recovery
CIP, CIL and CIC processes where hardness, low attrition and adsorption matter.

Food & Beverage
Selected decolorization, purification and process-water applications.

Water & Wastewater
Selected purification, solvent-vapour capture and recovery applications.



QUALITY. PROCESS. PARTNERSHIP.

Quality You Can Measure. Solutions You Can Specify.

Our quality approach begins with raw material selection and continues through processing, activation, screening, grading, testing and dispatch. We focus on product identification, particle-size control and agreed customer specifications.



01 Raw material



02 Carbonization



03 Activation



06 Dispatch



05 Testing



04 Grading

SUSTAINABILITY

Coconut shell is an agricultural by-product that can be converted into a valuable purification material. We aim to support responsible resource use and cleaner industrial processes through application-appropriate carbon solutions.

CUSTOMIZED SOLUTIONS

Tell us your process, contaminant profile, required particle size, operating conditions and performance target. We will work with you to evaluate a suitable grade and specification.

LET'S BUILD A CLEANER FUTURE TOGETHER

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sherwin-industries-india

scan to chat

Tell us your application, grade requirement and quantity. Our team will be glad to discuss the next steps.