



FG CARBON

ACTIVATED CARBON



“Purity You Can Trust. ”

About Us

FG CARBON, HEADQUARTERED IN SURAT, GUJARAT, INDIA, IS A DISTINGUISHED NAME IN THE ACTIVATED CARBON INDUSTRY. WITH OVER SEVEN YEARS OF DEDICATED SERVICE, WE HAVE ESTABLISHED OURSELVES AS A REPUTABLE BRAND IN INDIA, RENOWNED FOR OUR COMMITMENT TO QUALITY, INNOVATION, AND CUSTOMER SATISFACTION. OUR EXTENSIVE DEALER NETWORK SPANS ACROSS THE COUNTRY, ENSURING THAT OUR HIGH-QUALITY ACTIVATED CARBON PRODUCTS ARE ACCESSIBLE TO VARIOUS INDUSTRIES AND APPLICATIONS.

Our Journey

FG Carbon has been driven by a passion for excellence and a vision to become a global leader in the activated carbon market. Our relentless focus on research and development, coupled with our state-of-the-art manufacturing facilities, has enabled us to produce activated carbon that meets the highest standards of performance and purity. Our journey is marked by continuous growth, innovation, and an unwavering commitment to our customers.

Our Mission

At FG Carbon, our mission is simple yet profound: to foster global connections and progress. We're guided by core values of integrity, quality, sustainability, and client focus. These principles drive every decision we make, ensuring that we not only meet but exceed our customers' expectations. We believe in a world where trust, excellence, and responsible practices lead the way to a brighter future.



Core of Our Success



QUALITY ASSURANCE

Quality is our top priority at FG Carbon. Through rigorous quality control processes, adherence to industry standards, and the use of premium materials, we ensure every product we export is built to last and meets the highest standards.



GLOBAL REACH

Our extensive international network spans multiple continents, providing us with the global reach needed to serve diverse and dynamic markets efficiently.



CLIENT CENTRIC APPROACH

Our clients are central to everything we do. We collaborate closely with them to understand their unique needs and preferences, delivering tailored solutions that consistently exceed expectations.

Quality Assurance



WOOD BASE ACTIVATED CARBON

OUR WOOD ACTIVATED CARBON IS MANUFACTURED USING PURE PINE WOOD WHICH IS AN EXCELLENT BASE FOR MANUFACTURING ACTIVATED CARBONS WITH GOOD ADSORPTION POWER.

THE STEAM ACTIVATED PROCESS IS DONE BY ACTIVATING THE CHARCOAL IN A ROTARY KILN BY HEATING AT HIGH TEMPERATURES BY STEAM. THE ACTIVATED CARBON THAT COMES OUT FROM THE KILN IS CALLED UNWASHED ACTIVATED CARBON. THESE UNWASHED ACTIVATED CARBON HAS HIGHER ASH AND IRON CONTENT. THIS IS REDUCED BY WASHING THE UNWASHED ACTIVATED CARBON WITH ACID (HCL / H₂SO₄) AND PURIFIED WATER. THIS RESULTS IN REDUCTION OF ASH CONTENT TO AS LOW AS 1% AND IRON AS LOW AS 50 PPM.



TECHNICAL SPECIFICATION:

Properties	Grades						
	FG-80	FG-100	FG-120	FG-150	FG-200	FG-250	FG-300
Methylene Blue Value min (mg/gm)	80	100	120	150	200	250	300
Iodine Value min (mg/gm)	300	300	400	500	600	750	90
Moisture (%) Max	5	5	5	5	5	5	5
ph	9	9	9	9	9	9	9
Ash (%) Max	15	15	15	15	15	15	15
Ironppm Max	500	500	500	500	500	500	500
Acid Soluble Matter (%)	10	10	10	10	10	10	10
Water Soluble Matter (%)	7	7	7	7	7	5	5
Particle Size through 200 mesh (%)	88-90	88-90	88-90	88-90	88-90	88-90	88-90

COAL BASE ACTIVATED CARBON

COAL BASED ACTIVATED CARBON IS AVAILABLE IN FOUR DIFFERENT TYPES OF BASE MATERIAL - BITUMINOUS, SUB BITUMINOUS, ANTHRACITE, & LIGNITE, CONSISTING OF MICRO, MESO AND MACRO PORE STRUCTURES.

THIS UNIQUE PORE DISTRIBUTION MAKES COAL BASED ACTIVATED CARBON IDEAL TO REMOVE SMALL TO LARGE MOLECULAR STRUCTURES. TYPICAL APPLICATIONS INCLUDE BUT NOT LIMITED TO ODOR CONTROL IN LIQUID & VAPOR PHASE APPLICATIONS, IMPROVE TASTE IN LIQUIDS, LIQUID DECOLORIZATION AND PURIFICATION OF WASTEWATER & POTABLE WATER.

COAL BASE CARBON IS ALSO AVAILABLE IN GRANULAR, EXTRUDED (PELLETIZED), AND POWDER FORMS. MOST COMMON AVAILABLE AND WIDELY USED IS GRANULAR FORM OF COAL BASE ACTIVATED CARBON



TECHNICAL SPECIFICATION:

Mesh Size	4*8, 8*12, 8*16, 6*12, 8*20, 8*30, 20*40, 30*60
Iodine Value (mg/g)	400 to 700
ph	7 to 11
Apparent Density (Kg/m3)	500 to 700
Ash (wt%)	30 to 35
Moisture (wt%)	<5
Hardness(%)	80 to 95

COCONUT BASE ACTIVATED CARBON

COCONUT SHELL ACTIVATED CARBON HAS A VERY HIGH HARDNESS AND IS MORE ABRASION RESISTANT THAN ANY OTHER TYPE. IT IS A TOTALLY NATURAL, ENVIRONMENTALLY FRIENDLY PRODUCT, THAT HAS A VERY SMALL CARBON FOOT PRINT, SINCE IT IS DERIVED FROM COCONUT SHELLS.

AS MOST OF ITS PORE STRUCTURE CONSISTS OF MICROPORES (MORE THAN 80%), COCONUT SHELL CARBON CAN EFFICIENTLY ABSORB IMPURITIES WITH MICROPORE MOLECULAR STRUCTURE, SUCH AS THOSE PRESENT IN DRINKING WATER. IN ADDITION, BECAUSE OF ITS HIGH ABRASION RESISTANCE AND EXCEPTIONAL CHEMICAL AND PHYSICAL CHARACTERISTICS, ONLY COCONUT SHELL ACTIVATED CARBON CAN SUPPORT APPLICATIONS SUCH AS RECOVERY OF GOLD AND OTHER PRECIOUS METALS



TECHNICAL SPECIFICATION:

Mesh Size	4*8, 8*12, 8*16, 6*12, 8*20, 8*30, 20*40, 30*60
Iodine Value (mg/g)	600 to 1300
ph	6-8(acid washed), 9-11(Unwash)
Apparent Density (Kg/m3)	430 to 530
Silver Loading (%)	0.02 to 1.5 (for silver impregnated)
Ash (wt%)	<10(Unwash), <1(Acid wash)
Moisture (wt%)	<7
Hardness(%)	95 to 99

TYPES OF ACTIVATED CARBON



GRANULAR ACTIVATED CARBON

GRANULAR ACTIVATED CARBON EFFECTIVELY REMOVES IMPURITIES AND CONTAMINANTS FROM WATER AND AIR, ENSURING CLEANER AND SAFER ENVIRONMENTS.



PELLETE ACTIVATED CARBON

PELLET ACTIVATED CARBON IS ENGINEERED FOR EFFICIENT GAS AND VAPOR ADSORPTION, OFFERING SUPERIOR DURABILITY AND LOW DUST GENERATION.



POWDER ACTIVATED CARBON

POWDER ACTIVATED CARBON PROVIDES RAPID ADSORPTION OF IMPURITIES IN WATER AND AIR, MAKING IT IDEAL FOR QUICK TREATMENT PROCESSES.

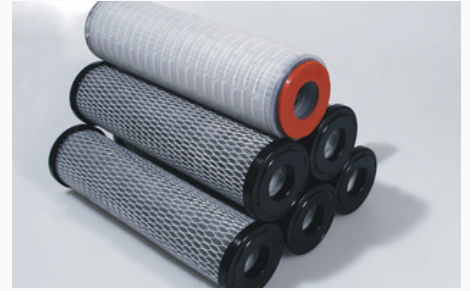
APPLICATION ACTIVATED CARBON



WATER PURIFICATION



GOLD RECOVERY



WATER FILTER CARTRIDGES



AIR & GAS TREATMENT



MERCURY FLUE GAS



COSMETICS



FOOD & BEVERAGES



AUTOMOTIVE



PHARMACEUTICALS

ACTIVATED CARBON PACKING

Our Activated Carbon is available in various packaging options to suit your specific requirements, including:

- 25 kg bags
- 500 kg super sacks
- Custom packaging options available upon request



CONTACT-US



Register Office: B/253, Royal Plaza, Opp.Patel Park Society, Simada-BRTS Road, Simada, Surat-395010, Gujarat, India.



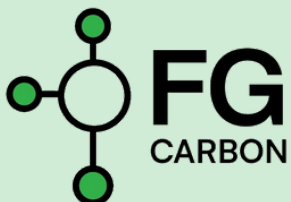
Call\WhatsApp: +919313133896



export@fgcarbon.com



www.fgcarbon.com



“Purity You Can Trust. “

