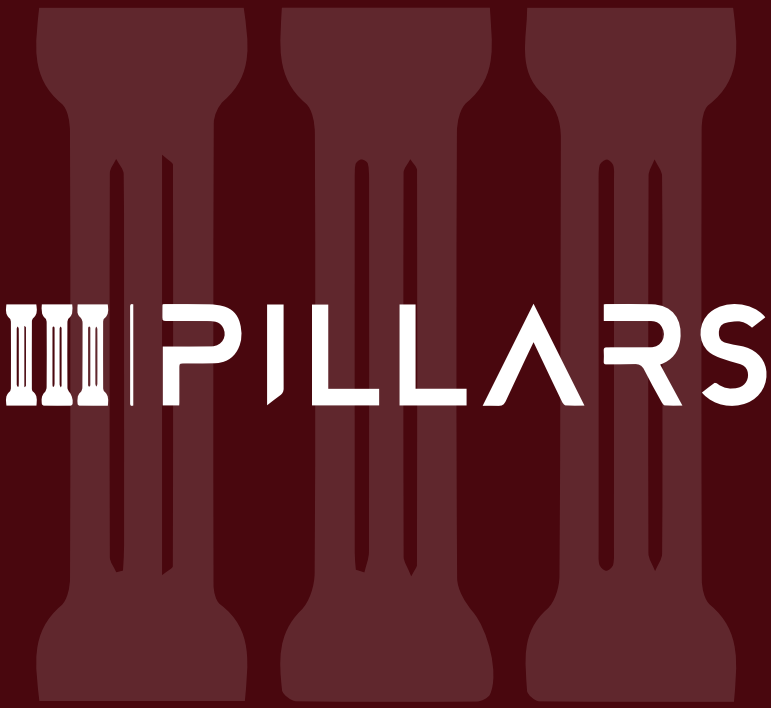
PILLARS

3 Pillars (Private) Limited is dedicated to providing you with the highest quality activated carbon products for all your needs from water and air treatment to industrial processes.

We supply top-quality activated carbon at very competitive prices, tailored to meet the demands of various applications.

We are more than just a supplier because our commitment to quality, consistency and reliability means you can trust that our products not only perform exceptionally but also adhere to the highest standard of eco-friendliness.

Our activated carbon products undergo rigorous quality control measures to ensure consistency and effectiveness, meeting the highest industry standards.

OUR PRODUCTS TO THE WORLD

Sri Lanka is renowned for its high-quality coconut shell activated carbon compared to other regions in the world.
Specialty of Sri Lanka coconut shells and the quality features of the resultant activated carbon are:

- High carbon content – Ensures large surface area for absorption.
- Low impurity levels (such as Sulphur, phosphorus and heavy metals) – Contribute to the purity and effectiveness.
- Hardness and durability - Well-suited for activation process without breaking down excessively

Granulated Activated Carbon

Granulated Activated Carbon (GAC) is a highly effective form of activated carbon derived from coconut shells. This type of activated carbon is widely used due to its superior hardness, high surface area, and porosity, which make it suitable for a variety of applications. GAC consists of larger granules or particles, offering a balance between surface area and flow rate. It is widely used in water treatment, air purification, and gas-phase applications due to its versatility and effectiveness in adsorbing a wide range of contaminants.

Powdered Activated Carbon

Powdered activated carbon (PAC) is a fine, powdered form of activated carbon produced from coconut shells. Similar to granulated activated carbon (GAC), PAC is known for its high surface area, porosity, and adsorption capacity. The primary difference lies in its particle size, which is much smaller, typically less than 0.18 mm in diameter. This small particle size provides a larger surface area per unit volume, making it highly effective for certain applications. PAC is often used in water and wastewater treatment for its rapid absorption kinetics and effective removal of organic contaminants, taste, and odor.

Impregnated Activated Carbon (Acid)

Impregnated (acid) activated carbon is a specialized form of activated carbon that has been treated with certain chemicals, typically acids, to enhance its adsorption properties for specific contaminants. This type of activated carbon retains the high surface area and porosity characteristic of coconut shell-based activated carbon but includes additional chemical properties due to the impregnation process. Its ability to target specific contaminants, particularly acidic gases and heavy metals makes it valuable in industrial, environmental, medical, and chemical processing applications.

Catalytic Activated Carbon

Catalytic activated carbon is a specialized form of activated carbon that is treated or impregnated with catalysts to enhance its ability to promote chemical reactions. This type of activated carbon retains the high surface area and porosity of coconut shell-based activated carbon but is optimized for catalytic applications. Its ability to promote specific chemical reactions makes it valuable in industrial processes, energy production, environmental protection, and advanced water and air treatment technologies.

OUR MANUFACTURE

Our manufacturing partner is equipped with state-of-the-art facilities to cater to most challenging orders and timely deliveries.

With decades of experience and commitment to excellence, we ensure stand at the forefront of the industry, providing high-quality activated carbon products tailored to your specific requirements. From sourcing raw materials to final product testing, the quality control measures at every step of the production process are handled and monitored by a team of experts.

ACTIVATED CARBON APPLICATIONS

Coconut shell activated carbon has numerous applications due to its absorption properties, high surface area and microporous structure.

Water Purification

Coconut shell activated carbon is widely used in water treatment processes to remove contaminants such as chlorine, volatile organic compounds (VOCs), pesticides and heavy metals in point-of-use filters, water pitchers and large-scale water treatment facilities.

Air Purification

Activated carbon filters made from coconut shell are used in air purification systems to remove odors, volatile organic compounds and airborne pollutants and are commonly found in HVAC systems, air purifiers and gas masks.

Coconut shell activated carbon is used for decolorization, deodorization and purification in the food and beverage industry and it is applied in processes like sugar refining, fruit juice purification and alcohol distillation to remove impurities and undesirable flavors.

Food and Beverage Industry

Pharmaceuticals

In pharmaceutical manufacturing, coconut shell activated carbon is used for the purification of antibiotics, vitamins and other pharmaceutical products and it helps remove impurities and contaminants from the final product.

Coconut shell activated carbon is used in cosmetic products such as facial masks, soaps and toothpaste for its adsorption properties, helping to remove impurities and toxins from the skin and oral cavity.

Cosmetics and Personal Care

Gold Recovery

Activated carbon derived from coconut shells is utilized in the gold mining industry for gold recovery from cyanide solutions and it absorbs the gold cyanide complex, allowing for efficient extraction of gold from the solution.

Activated carbon made from coconut shells is used in wastewater treatment plants for the removal of organic pollutants, dyes and other contaminants from industrial and municipal wastewater streams.

Water Treatment

Chemical Industry

Coconut shell activated carbon is used in various chemical processes for purification and separation purposes as it can remove impurities, colorants and odors from chemical products.

Coconut shell activated carbon is used to purify gases by absorbing impurities such as sulphur compounds, VOCs an odorous gas and it finds applications in gas masks, respirators and industrial gas purification processes.

Gas Purification

Environment Remediation

Activated carbon made from coconut shell is used in environment cleanup efforts to treat contaminated soil and groundwater as it can adsorb organic pollutants and heavy metals, helping to mitigate environment pollution.

PILLARS

CONTACT US TO EXPLORE OPPORTUNITIES

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