



ACTIVESORB[®] CX

GRANULATED COCONUT SHELL BASED ACTIVATED CARBON

ACTIVESORB[®] CX

ACTIVESORB[®] CX is a catalytic, high activity granular activated carbon manufactured by steam activation of selected coconut shells.

The catalytic activity of this activated carbon makes it highly effective for the removal of chloramines and hydrogen sulfide from potable water. Its large micropore volume makes it particularly well suited for the removal of low molecular weight organic compounds and their chlorinated by-products such as chloroform and other trihalomethanes (THMs). An important feature of this material is its superior mechanical hardness and the extensive dedusting during its manufacture ensures an exceptionally clean activated carbon product.



Households are increasingly concerned about contaminants in their water supply that may affect health or cause taste and odour problems

Sources of these contaminants include solvents, pesticides, industrial wastes, or contaminants from leaking underground storage tanks.

Contaminants such as benzene, chlorobenzenes, trichloroethylene, carbon tetrachloride, methylene chloride, and vinyl chloride in drinking water may pose health risks if they are present in quantities above the EPA Health Advisory Level (HAL).

Activated carbon (AC) filtration can effectively reduce some of these organic chemicals as well as certain harmless taste and odour-producing compounds.

Features and Benefits

- Catalytic activity
- Large and extensive internal pore structure
- Optimized density
- Maximum hardness
- Low dust and turbidity
- Excellent adsorption capacity
- High volume activity
- Rapid dichlorination
- Low filtered water turbidity

Typical Applications

- Municipal drinking water treatment
- Residential water treatment systems – Point of Entry (POE) / Point of Use (POU)
- Beverage Production
- Protection of ion exchange resins from chloramines

Approvals and Certifications

- AWWA B604-96
- EN12915
- NSF Std. 61

Standard Packaging



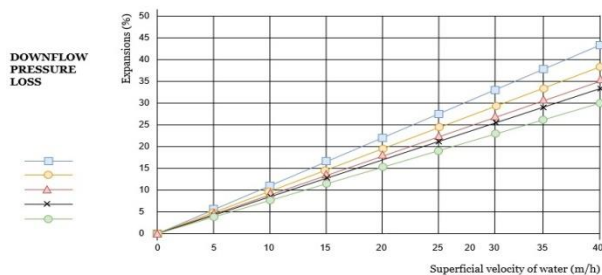
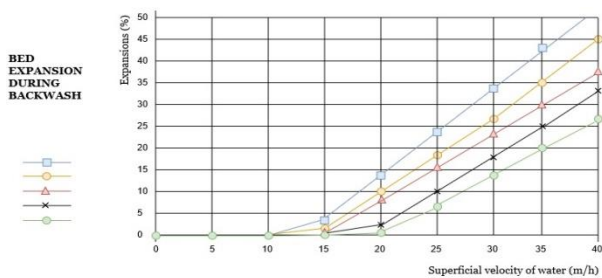
- 25 kg Bag (55 lb)
- 500 kg bulk bag (1100 lb)
- Other packing considered on request



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Diagram below show head loss and filter bed expansion occurring in filtration with sufficient accuracy for planning of treatment plants.

ACTIVESORB® CX: 8 x 30 Mesh



Bed Expansion and Pressure Loss curves are provided for the most commonly used particle size.

This granular activated carbon is used for water treatment applications in fixed bed media filters. It is used for removal of taste, odor, chlorine, and dissolved organic contaminants from potable and process water. It is also used in DM plant filters, Tap water filters, Desalination plants, and Aquariums.



Specifications

Iodine Adsorption	min. 1100 mg/g
Moisture content, as packed	max. 3%
Total ash content	max. 4%
Ball-pan hardness	min. 98%
CTC activity	min. 55%
Catalytic activity	min. 20%

Typical Properties

Mesh Size	8x30 (0.600 -2.36 mm)
Surface Area (BET)	1100 m ² /g
Apparent Density	522 kg/m ³
Bulk Density	538 kg/m ³
Backwash and Drained Density	437 kg/m ³
pH	9 -11

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Watch Water® takes full responsibility in all water treatment problems, with its innovative concepts and pragmatic solutions, geared with high-end bio-friendly water treatment chemicals and systems.

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