



AquaMAX™ EFF Series

Effluent & Industrial Water Treatment Activated Carbon

Coconut Shell-Based Activated Carbon
for Industrial Wastewater Polishing

Product Overview

AquaMax – Effluent Series activated carbon is engineered for industrial effluent treatment and water recycling, targeting persistent organic pollutants, color bodies, phenols, and non-biodegradable contaminants.



Why Coconut Shell Carbon for Effluent Treatment

High adsorption capacity for organic pollutants
Superior mechanical strength in backwash systems
Low dust generation and long bed life

Key Performance Advantages

- Effective COD/BOD reduction
- Excellent color and dye removal
- Stable performance under variable loads
- Suitable for fixed and moving bed systems

Typical Applications

Textile & dyeing effluent
Paper & pulp wastewater
Chemical & petrochemical effluent
Utility water recycling

Packaging, Handling & Safety

Standard Packing: 25 kg PP / HDPE woven bags with PE inner liner for GAC grades; 20 kg or 25 kg dust-controlled bags for PAC grades, where applicable; 500 kg FIBC / jumbo bags with liner; palletised export packing available on request; custom OEM and project-specific packing available on request.



Product Grades & Typical Specifications

Parameter	Specification	Test Method
Iodine Number	≥ 900 mg/g	ASTM D4607
CTC Activity	≥ 55 %	ASTM D3467
BET Surface Area	850–1150 m ² /g	
Hardness Number	≥ 98 %	ASTM D3802
Apparent Density	≥ 0.50 g/cc	ASTM D2854
Moisture	≤ 5 %	ASTM D2867
Ash Content	≤ 5 %	ASTM D2866
Extractable pH	6–11	ASTM D3838
Methylene Blue	/ ≥ 180 mg	JIS K1474 / GB

Available Mesh Sizes

8×30, 12×30, 12×40, 14×45, 20×50, M200, M325

Manufacturing & Quality Control

Steam activation in rotary kilns
PSD control via multi-stage screening
Routine QC for adsorption, hardness, ash, moisture

Disclaimer: Specifications shown are typical values and may be customised based on effluent characteristics and contract requirements. Actual performance depends on contaminant profile, concentration, pH, salinity, suspended solids, oil and grease, competing organics, temperature, contact time, hydraulic loading and system design. Users should conduct jar tests or pilot trials to confirm grade selection and operating conditions.

Carbonmax Advantech Private Limited

SF No: 21A1, Pollachi Road, Palladam - 641664
Tirupur District, Tamil Nadu, India.

+91 9943499855

info@carbonmaxtech.com

www.carbonmaxtech.com