



Graver Technologies

ECOSORB® MULTI-FUNCTIONAL PURIFICATION MEDIA

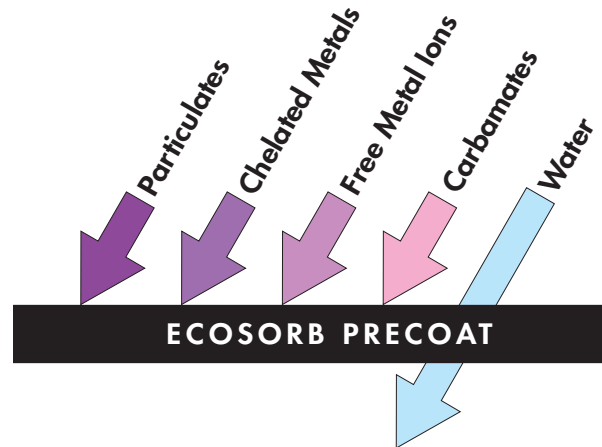
ECOSORB® Product Selection Guide - Aqueous Applications

This guide provides information about ECOSORB products specifically formulated for the removal of low concentrations of impurities from water solutions.

ECOSORB products are clean, easy-to-use fine particle adsorption media providing rapid kinetics at low operating pressures. ECOSORB products offer several advantages over conventional technologies:

Benefits

- Dust-free and convenient use
- Odor-free
- Reduced solid waste
- Compatible with columns or industrial filters



ECOSORB precoats provide a functional barrier in wastewater applications, adsorbing impurities but allowing purified water to pass through.

ECOSORB Products for Metal Finishing and Wastewater Treatment		
Ecosorb Product	Active Ingredients	Description/Use
W-701	PAC*, Cellulose Fiber, Immobilizing Agents.	Removes traces of oil from boiler condensate.
W-702	PAC*, Cellulose Fiber, Immobilizing Agents.	Removes metal sulfides from wastewater after sulfide precipitation.
W-705	PAC*, Cellulose Fiber, Anion Resin, Immobilizing Agents.	Removes chelated metals, organics & chromates from wastewater.
W-709	PAC*, Cellulose Fiber, Ion Exchange Resin, Immobilizing Agents.	Removes organics from recycled radwaste to prevent fouling of ion exchange resins.
W-714	PAC*, Cellulose Fiber, Diatomaceous Earth, Immobilizing Agents.	Removes chelated metals from wastewater and excess carbamate
W-762	Zeolite and Anion Exchange Resin immobilized on cellulose carrier.	Removes divalent cations (heavy metals) from wastewater.
W-791	PAC*, Cellulose Fiber, Ion Exchange Resin, Zeolite, Immobilizing Agents.	All purpose wastewater product for the removal of mixed wastes containing free & complexed metals, metal cyanides, chromates and carbamates.

* Powdered Activated Carbon

Manufacturing

Ecosorb adsorbent products are manufactured in a state-of-the-art facility following GMP manufacturing and quality procedures.

Moisture (Water) levels

Two different moisture levels are available in most ECOSORB products:

Semi-moist = 60% ± 5% (no dust formulation)

Low-moisture = ≤5% (slightly dusty)

Operating specifications

Temperature	40-175 degrees F	5-80 degrees C
pH	2-12	-
Dosage	0.2-0.6 lbs/ft ²	1-3 kg/m ²
Flow	0.05-0.5 gpm/ft ²	2-20 liters/min/m ²
Pressure	5-75 psig	-

Chemical compatibility

ECOSORB products are generally suitable for aqueous applications at pH values between 2-12. Standard ECOSORB products are not suitable for use with strong acids, strong bases, or strong oxidizing agents. If your application falls outside the designed pH range, or if you have questions about the compatibility of an ECOSORB product in your application, contact Graver Technologies and/or consult the ECOSORB laboratory evaluation guide.

Custom formulated Ecosorb products

Graver Technologies has developed many custom formulations of ECOSORB products to meet specialized purification needs. Products can be tailored to provide specific performance characteristics of adsorption, filtration, and settling using a variety of active surfaces. Custom formulations have been developed to offer the following:

- Additional types of powdered carbon and adsorbents
- Optional carriers/filter aids (nylon, acrylic)
- Radiation sanitized
- Other counter ions and resins

Additional ECOSORB Literature

GTX-133 ECOSORB Sugar Bulletin

GTX-233 ECOSORB Multi-Functional Purification Media

M-403 ECOSORB Products for Wastewater

G-181 ECOSORB Laboratory Evaluation Guide

For more information

To request a standard or custom sample or to discuss your application with a technical representative, please contact Graver Technologies at

1-800-249-1990 or e-mail us at **info@gravertech.com**

our website: **www.gravertech.com**

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