

CETCO Launches USA-Made FLUORO-SORB® adsorbent for the Remediation of PFAS

FOR IMMEDIATE RELEASE

BETHLEHEM, Pa. (May 23, 2019) – Amidst a deeper awareness of the health and environmental impact of per- and polyfluoroalkyl substances (PFAS), CETCO is pleased to announce the launch of FLUORO-SORB® adsorbent, a proprietary, NSF-certified product that effectively treats multiple variants of PFAS.

Unlike other sorbent products that are selective and unpredictable in adsorbing PFAS, FLUORO-SORB® adsorbent binds the entire spectrum of PFAS – including PFOA, PFOS, PFHxS and PFNA – efficiently and in a wide variety of removal and remediation processes. FLUORO-SORB® adsorbent also controls the source of contamination and can be deployed easily as a flow through treatment media, as a passive in situ treatment (permeable reactive barrier and in-situ stabilization and solidification - ISS), or used in a CETCO® [REACTIVE CORE MAT®](#) composite geotextile mat for sediment capping.

Efficient and effective

CETCO's proprietary product, FLUORO-SORB® adsorbent, resists competitive adsorption from other water and sediment contaminants. Because of its higher adsorption properties and higher density, it requires fewer change outs than granular activated carbon (GAC), resulting in a substantially reduced total cost of ownership.

FLUORO-SORB® adsorbent can serve as a pre- or post-treatment media in connection with other technologies including GAC or ion exchange resin (IER) water treatment trains. This compatibility and seamless integration maximizes the removal of PFAS contaminants while improving efficiency and extending the life of existing GAC systems. Additionally, when combined with in-situ treatment (ISS or PRB) of the PFAS source, FLUORO-SORB® adsorbent will significantly reduce the reliance on “pump and treat” alone for achieving hydraulic control of a contaminated site.

About PFAS

PFAS were (and continue to be) integrated into dozens of industry and consumer products over the past 60 years. PFAS have been used in common, daily products, including non-stick cookware, clothing materials, carpets, firefighting foams and various other products designed to resist grease, water and oil. During the production and use of products that contain PFAS, the chemical has seeped into soil and water and even migrated into the air. The strong carbon-fluorine chemical bond prevents their breakdown in nature, eventually allowing it to enter the food chain. As a result, scientists have been closely studying the health impact of PFAS, concluding that exposure may cause numerous health effects.

To address these concerns, states have begun enacting regulations that address PFAS remediation, and the United States Environmental Protection Agency (EPA) is actively studying its impact while considering adoption of standards to address clean-up levels. In advance of these and future regulations, FLUORO-SORB® adsorbent is an effective treatment made for the remediation and removal of PFAS.

FLUORO-SORB® adsorbent is commercially available in four granule sizes. For more information or to obtain a sample for your laboratory treatability study, visit <http://www.cetco.com> or contact cetco@mineralstech.com.

About CETCO:

A subsidiary of Minerals Technologies Inc., CETCO is a construction technologies company based in

Bethlehem, Pennsylvania. Offering solutions for commercial, industrial and infrastructure construction challenges worldwide, CETCO provides expertise in transforming minerals and polymers into technologies that improve productivity and performance. This includes leading the industry in environmental solutions for containment and remediation of pollutants, including groundwater treatment, solidification and stabilization, and sediment remediation.

About Minerals Technologies Inc.:

New York-based Minerals Technologies Inc. (MTI) is a resource- and technology-based growth company that develops, produces and markets worldwide a broad range of specialty mineral, mineral-based and synthetic mineral products and related systems and services. MTI serves the paper, foundry, steel, construction, environmental, energy, polymer and consumer products industries. The company reported sales of \$1.808 billion in 2018. For further information, please visit our website at www.mineralstech.com.

Product Link:

<https://www.mineralstech.com/business-segments/performance-materials/cetco/products/environmental-products/fluoro-sorb>

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FLUORO-SORB® 100



FLUORO-SORB® 200



FLUORO-SORB® 300



FLUORO-SORB® 400

FLUORO-SORB

ADSORPTION MEDIA FOR THE REMEDATION AND REMOVAL OF PFAS

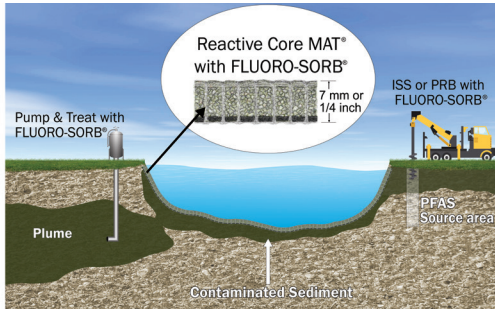
FLUORO-SORB is a proprietary, NSF-certified adsorption media that is proven to effectively treat multiple variants of PFAS. Unlike other sorbent products that are selective and unpredictable in adsorbing PFAS, FLUORO-SORB binds the entire spectrum of PFAS and in a wide variety of removal and remediation processes.

With a specially modified surface, FLUORO-SORB resists competitive adsorption from other water and sediment contaminants making it a more effective and efficient choice.

FLUORO-SORB is commercially available in four variations. For more information or to obtain a sample for your laboratory treatability study, contact cetco@mineralstech.com.

TREATMENT APPLICATIONS

Groundwater
Drinking Water
Surface Water
Soil



Adaptable Solutions for Your Specific Project

Versatility in deployment

- Flow-through filtration technology for drinking and/or groundwater
- Permeable Reactive Barrier (PRB) for passive groundwater
- In-situ stabilization for source zone treatment
- Within a CETCO REACTIVE CORE MAT® composite geotextile mat for sediment capping
- Pre- or post-treatment in connection with other treatment media

Variability in design

- Three available grain sizes in four custom blends
- 1500lb (680.4kg) supersacks

High-Performing Treatment Option

Superior Technology

- Higher sorption kinetics and better sorption capacity
- More selective toward entire family of PFAS
- Not impacted by co-contaminants in the waste stream
- Use with or in place of other treatment media for improved efficacy

Trusted

- NSF/ANSI 61 certified
- Manufactured in an ISO9001:2015 facility
- Made in the USA

To obtain a sample for your laboratory treatability study, contact cetco@mineralstech.com.



Our Standards. Your Peace of Mind.

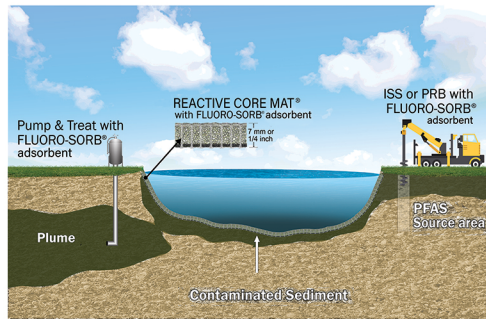
At CETCO, our goal is to help you succeed. Through our knowledge and experience in minerals, polymers, and the construction industry, we provide solutions to unique challenges globally. Our remediation technologies exceed industry standards and offer innovative alternatives to traditional construction options.

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FLUORO-SORB® 100



FLUORO-SORB® 200



FLUORO-SORB® 300



FLUORO-SORB® 400