

# FILTRATION MEDIA



**CMX - LITE™**  
**100% CERAMIC FILTER MEDIA**

**CMX-Lite (P/N CMX-L18)** is a uniquely engineered medium-to-coarse crushed angular grain ceramic media, offering superior performance and significantly lower operational costs than traditional filtration media. Various effective sizes and uniformity coefficients are available upon request.

CMX-Lite is a lightweight, expanded granular material that has ten times more surface area than anthracite in the optimal micron range for filtration. This extraordinary amount of surface area increases particle removal as compared to all other filter media and at a lower cost than anthracite. CMX-Lite is 20% lighter than anthracite, resulting in reduced wastewater production which saves users valuable water.

CMX-Lite outperforms anthracite as a filtration media and backwashes at lower rates saving backwash water. It can also be used to cap anthracite to increase filter UFRV's.

## FEATURES

- Biological Filtration
- Surface Water Filtration
- Ground Water Filtration
- Iron and Manganese Removal
- Commercial, Industrial, and Municipal Filtration
- Certified to NSF/ANSI Standard 61
- Manufactured in the USA

CMX-Lite has an exceptionally high surface area making it excellent for growing biofilm and it can be coated with all types of metal oxides including MnO<sub>2</sub> for iron and manganese removal.

CMX-Lite is an inert and non-reactive media that is compatible with acid, caustic, and all types of oxidants. CMX-Lite can be used in harsh industrial filtration applications, chemical filtration, and in high temperature processes up to 1000°F (538°C).

CMX-Lite media is manufactured in the USA and certified to NSF/ANSI-61 standard for use in drinking water.

## Physical Properties

Material .....	Fired ceramic
Surface Characteristics .....	Highly textured
Shape .....	Angular
Effective Size * .....	0.039 inch (1 mm) (18 Mesh)
Uniformity Coefficient * .....	< 1.5 (< 1.3 typical)
Density (hydrated) ** .....	49 lb/cu.ft.
Bulk Density (dry) .....	34 lb/cu.ft.
Acid Solubility .....	< 5% (< 1.0% typical)
Surface Area (1 to 150 microns) .....	34,600 sq.ft./cu.ft.
Surface Pore Size Range .....	1 to 70 micron
Moh's Hardness .....	2.3
Floating Material .....	< 4%

## Suitable for:

- Treating highly coagulated or turbid water
- Removing inorganic contaminants, heavy metals, and organic particulate
- Mono-media gravity filtration applications, or used in conjunction with a traditional sand filter
- Propagating and/or protecting biofilms

**Backwash:** 10 to 16 gpm/sq.ft. @ 55 to 65°F

**Packaging:** 27 cu.ft. bulk bags (918 lb)

\* Effective sizes from 0.039 to 0.196 inches (1 to 5 mm) and a variety of uniformity coefficients are available upon request.

\*\* Requires 24 hours minimum soak time to hydrate.