

Z-OX[®] Greensand Media Replacement



Removes Iron, Manganese, Hydrogen Sulfide, Radium, and Arsenic

Z-Ox — Manganese Dioxide Coated Natural Zeolite — is a new advanced water filter media developed by ZEO, Inc. and made from ZeoSand[®] at the United States production facility.

Improved water quality:

- Iron, manganese, and hydrogen sulfide removal
Catalytic surface reaction
- Radium and arsenic removal
Flocculation (co-precipitation)
- Traps smaller particles – Clearer water
Mechanical filtration

During ZEO's proprietary manufacturing process, a reactive manganese dioxide layer is chemically bonded to the ZeoSand surface. ZeoSand's high surface area and excellent filtering capabilities are a part of Z-Ox.

Z-Ox is a direct replacement cubic foot for cubic foot for greensand and other greensand replacements.

Z-OX manganese dioxide assay by the ASTM E465B Method is higher than a commercial manganese coated silica and a manganese dioxide coated zeolite.

The NSF/ANSI Standard 61 Health Effects and 372 Lead Free certifications are listed with IAPMO Research.

Installation: Fill the filter half full with water, slowly add Z-OX, and backwash at a rate and durations to remove all fines, typically greater than 10 gpm/ft² and longer than 10 minutes. The initial backwash will be longer than

subsequent backwash cycles. Extensive preconditioning of the filter is not required.

CO and IR Applications: Z-Ox can be used in used in CO and IR applications. The chemical addition rates are based upon the inflow water composition and are at a slightly higher level than needed to oxidize the inflow materials.

Physical Properties:

Appearance:	Black/Dark brown
Size:	14 x 40 US Mesh
Uniformity coefficient:	1.6
Bulk density:	63 lbs/ft ³

Z-Ox is available in 50 pound bags (27.2 kgs) with 40 bags per stretch wrapped pallet and 2,000 pound totes.

Caution: The reactive manganese dioxide coating can be destroyed in non-oxidizing conditions.

Disclaimer: The Z-Ox information and recommendations are reliable to the best of our knowledge and are given without warranty, performance guarantee, or liability for consequential damage as conditions and methods of use of our products are varied and beyond our control. ZEO, Inc. Conditions of Sale is available at www.zeoinc.com and applies to all product samples and sales.

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