



ZeoSand[®]

Natural Zeolite Filter Media

SUPERIOR SAND REPLACEMENT

ZeoSand improves sand filter performance:

- **Improves Clarity**
 - DE-like 3 micron filtration
 - High surface area
- **Reduces ammonia**
 - Reduces chloramines
 - Reduces chemical shock treatments
- **Reduces water and energy use**
 - Doubles time between backwashes
 - Reduces backwash time by up to 50%
- **Natural and Environmentally Safe**

What is ZeoSand?

ZeoSand is a high purity natural zeolite mineral which has a unique three dimensional honeycomb structure. Natural zeolites were formed millions of years ago by alkaline salt water altering volcanic ash. ZeoSand is a clinoptilolite natural zeolite. Its crystal type structure provides a large surface area and an ammonium trapping capacity.

Natural zeolites are also widely used as soil amendments and animal feed additives.

Why does ZeoSand give superior clarity?

The 1 to 15 micron pore spaces on the ZeoSand surface trap smaller particles than sand; thus, water clarity is improved. A twenty five pound bag of ZeoSand has the surface area of over 50 NFL football fields, while the surface area of a fifty pound bag of sand covers only 1 field. ZeoSand's large surface area holds more dirt than sand; therefore, the time between backwashes can be increased.

How does ZeoSand control chloramines?

Ammonium ions are trapped within the ZeoSand structure by a molecular sieving or water softening action. Regular sand filter media has no molecular sieving capability. Less ammonia in the water means fewer eye burning chloramines are formed. Fewer chemical shocks will be needed because ZeoSand lowers the levels of chloramines. A twenty five pound bag of ZeoSand will trap about half a pound of ammonium ions.

How is ZeoSand used?

Typically, 25 to 30 pounds of ZeoSand replaces a 50 pound bag of sand.

How long does ZeoSand last?

Under normal conditions, ZeoSand will be replaced about as often as sand. After filter use, ZeoSand can be added to your garden or potted plants as a soil conditioner. ZeoSand may also be discarded as a nonhazardous waste. See ZEO's web site for other uses for natural zeolites.