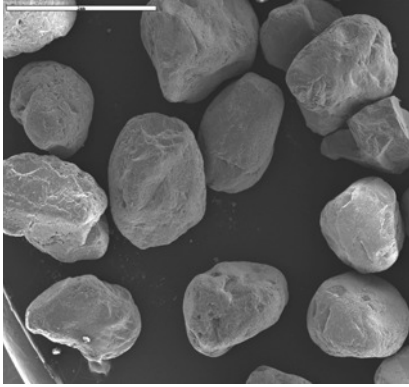




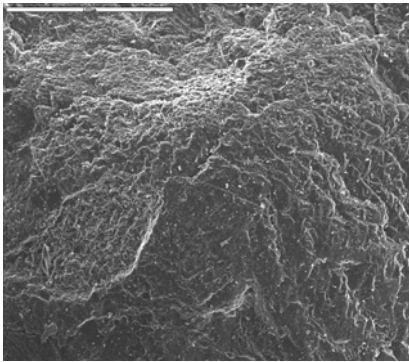
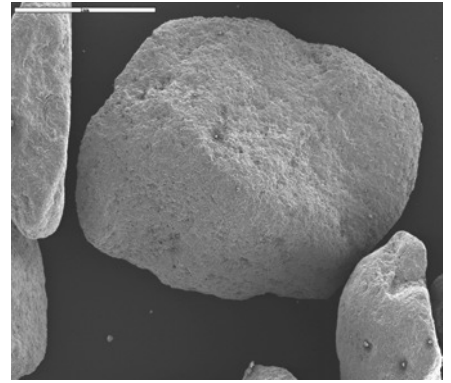
## ZEOTECH CORPORATION POOL FILTER MEDIA COMPARISON

Comparison of surface texture of Brady Silica Sand and **Zeobrite®** Zeolite Granules



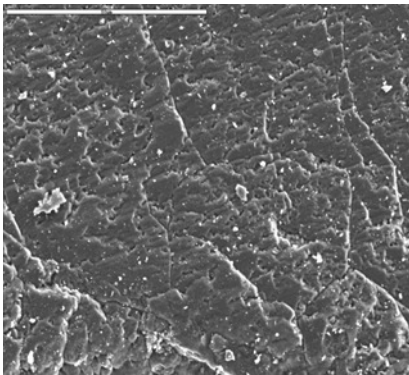
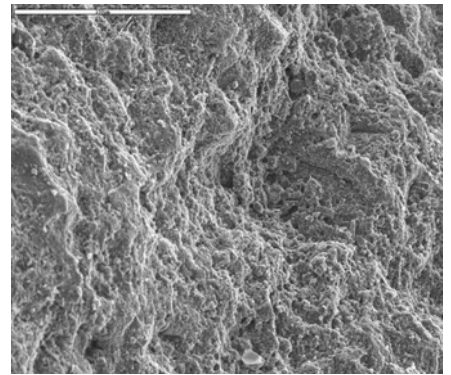
<Silica sand is composed of hard, dense grains of 0.45 to 0.55mm and about 100-lbs/cu ft. **Zeobrite®** > granules are hard but porous grains 0.5 to 1.5mm and about 50-lbs/cu ft. One cubic foot of **Zeobrite®** (approximately 50lbs.) replaces 100lbs. (1 cubic foot) of sand.

40x magnification



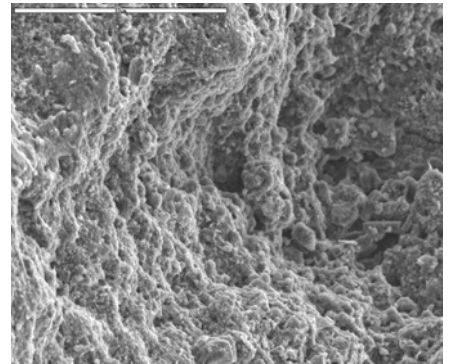
<The surface of silica sand is quite smooth and non-porous. Dirt and contaminants can only be trapped between sand grains. **Zeobrite®** > granules have a rough and pitted surface. Dirt and contaminants can be trapped between granules, as well as, on and in the internal cavities.

500x magnification



<At high magnification, sand grains show a slick, non-porous surface. **Zeobrite®** granules have pits and > cavities in which 3 to 5 micron sized colloids and fine particles can be trapped. Their permeability allows water to actually pass through each granule for micro-filtration.

1200x magnification



**Zeobrite®** granules have a surface area of 40 m<sup>2</sup> per gram. >  
If unfolded, a teaspoon of granules has enough surface area to cover a football field. The small crystals of zeolite can remove dissolved ammonia and heavy metal contaminants. Adsorption of ammonia helps prevent formation of chloramines resulting in lower odor levels in indoor pools and conservation of chlorine levels in the water. Higher dirt loading compared to sand results in less frequent backwashing and savings of water and chemicals.

2500x magnification

