

Bacteria Immobilizer - Bioremediation

Pore Size Diameter Distribution Diagram

	Sample Name: CG-2					1,800°F		Kiln Fired			
Distribution	0	10	20	30	40	50	60	70	80	90	100%
- 0.1μm	*										1.815%
0.1μm - 0.2μm	**										4.234%
0.2μm - 0.5μm	*****										20.968%
0.5μm - 1.0μm	*****										41.532%
1.0μm - 2.0μm	*****										21.035%
2.0μm - 5.0μm	**										2.151%
5.0μm - 10μm											0.672%
10μm - 20μm	*										1.882%
20μm - 50μm	*										2.823%
50μm -	*										2.890%
Accumulation	0	10	20	30	40	50	60	70	80	90	100%
- 0.1μm	*										1.815%
0.1μm - 0.2μm	*****										6.048%
0.2μm - 0.5μm	*****										27.016%
0.5μm - 1.0μm	*****										68.548%
1.0μm - 2.0μm	*****										89.583%
2.0μm - 5.0μm	*****										91.734%
5.0μm - 10μm	*****										92.406%
10μm - 20μm	*****										94.288%
20μm - 50μm	*****										97.110%
50μm -	*****										100.000%

The majority of pores are of the size which will support bacteria commonly used in environmental applications. ISOLITE is used as a superior support/filter material in the bioremediation of contaminated air, soil and water. The major application areas are:

1. Vapor Phase Treatment - VOC's in a biofilter for both industrial and site remediation applications.
2. Aqueous Phase Treatment - bioreactor
3. Soil Treatment - soil fracturing, bio-cells.
4. Harbor, Lake, River Treatments - delivery system for microorganisms to treat silt/sludge.