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## 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	10	20	30	40	50	60	70	80	90	100%
- 0.1µm	*																						
0.1µm - 0.2µm	**																						
0.2µm - 0.5µm	*****																						
0.5µm - 1.0µm	*****																						
1.0µm - 2.0µm	*****																						
2.0µm - 5.0µm	**																						
5.0µm - 10µm																							
10µm - 20µm	*																						
20µm - 50µm	*																						
50µm -	*																						
Accumulation	0	10	20	30	40	50	60	70	80	90	100%		0	10	20	30	40	50	60	70	80	90	100%
- 0.1µm	*																						
0.1µm - 0.2µm	*****																						
0.2µm - 0.5µm	*****																						
0.5µm - 1.0µm	*****																						
1.0µm - 2.0µm	*****																						
2.0µm - 5.0µm	*****																						
5.0µm - 10µm	*****																						
10µm - 20µm	*****																						
20µm - 50µm	*****																						
50µm -	*****																						

The majority of pores are of the size which will support bacteria commonly used in environmental applications. Isolite®CG 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 bio-filter 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.