



100% NATURAL

FilterClay is a pure organic clay, finely ground into specific sized pellets (4-8 mm) and baked at a temperature of 1,200 °C inside a rotary kiln. It does not contain artificial additives, pesticides or dyes.

“Fixed-Bed” Mechanical Filtration PERFORMANCE

FilterClay is a “fixed-bed” filter media, which means that the media bed is stationary during filtering. FilterClay’s shape and varied sized provides efficient solid waste capture and water polishing. Additionally, FilterClay’s weight/density initiates a more effective backwash by allowing the bed to expand, yet stay within the filter vessel as the waste is flushed out of the filter.

EXCEPTIONAL Bio-Filtration

FilterClay’s innovative production process results in a significant amount of surface area from the porous skin and core within each pellet. This surface area is far greater than any other filter media on the market today. FilterClay’s porosity also offers a protective environment for colonies of nitrifying (beneficial) bacteria, and in turn, optimal bio-filtration. These physical characteristics allow for quick nitrifying bacteria regeneration after cleaning.

FilterClay Strength

FilterClay’s high mechanical strength allows for it to be removed from the filter, easily cleaned, and stored for re-use.

Substitute the Sand in your Sand Filters for FilterClay!

Consider FilterClay Media as an alternative media for fine sand in sand filters. FilterClay’s size, shape and weight are *better suited* for a heavy solid waste application than fine sand.

BioCELL

biological media

BioCELL biological filter media is made of neutrally buoyant, “high impact” polystyrene that provides a surface area of 198ft²/ft³ for nitrifying bacteria. BioCELL media’s size and surface configuration provides highly protected surface-areas (protecting colonies of nitrifying bacteria) while offering the added benefit of self-cleaning. BioCELL’s neutral buoyancy combined with routine backwashing prevents clogging, while maintaining an excellent environment for aerobic nitrifying bacteria.



FilterClay Basic Properties:

- Material – Expanded Burnt Clay
- Grain/Shape – Porous/Round
- Particle Size – 4-8 mm
- Physical Properties:
 - Particle Density Dry – 1080 +/- 50 kg/M³
 - Bulk Density – 600 +/- 50 kg/M³

Other Properties:

- Optimal Surface Colonization due to porosity level:
 - Surface Area – 232 ft²/US gal.
- FC-1 - 1.7 cubic foot per 65-75 pound bag

BioCELL:

- #BC-1 = BioCELL Bio-Media (1 ft³)
- #BC-1 (In Bulk) = BioCELL Bio-Media (34 ft³)

Did You Know that the size of a pond, combined with the capacity of the filtration, establishes the fish stocking density? At a pound of fish per 100 gallons of pond water, a 5,000 gallon pond with adequate filtration could support 50 pounds of fish. Consider the growth factor when stocking your pond. A healthy 14" Koi weighs approximately 1 pound but can grow into a 26" Koi that weighs approximately 8 pounds.