



**CLEAR CARBON**  
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## POWDERED ACTIVATED CARBON

### DESCRIPTION

High-grade Powder Activated Carbon Eco+Char is part of a new line of ultra-adsorptive carbons, featuring domestically produced, renewable, biomass-based carbons that have a unique carbon structure for increased absorption performance. Eco+Char is manufactured from high purity hardwood in a novel pyrolysis process to produce a carbon product with high surface area, high diffusion rates and absorptivity of dissolved organics, nitrates, phosphates and VOCs.

Eco+Char PAC is finely ground to particle size 20 um for maximum adsorption capacity and kinetics.

### ADVANTAGES OF ECO+CHAR

Highly developed meso-pore and micro-pore structures lead to enhanced absorptivity and faster uptake of undesirable compounds.

Exceptional carbon purity yields a highly adsorptive, high value, activated carbon.

Use of High grade PAC Eco+Char as part of an in situ-remediation project can reduce toxicity of organic compounds to microbes present in the soil, enhancing bioremediation activity levels.

Quality is assessed for carbonization, activation, sizing and adsorption in conjunction with a university partner. These quality control measures ensure accurate specification of products.

| Product Specifications           | Value     |          |
|----------------------------------|-----------|----------|
| Feedstock                        | Woodchips |          |
| Moisture (max)                   | 5%        | w.b.     |
| Ash (max)                        | 12%       | w.b.     |
| Carbon Content (min)             | 80%       | w.b.     |
| Volatile Matter (max)            | 2%        | w.b.     |
| Density (g/cc)                   | 0.3-0.5   | w.b.     |
| Surface Area (m <sup>2</sup> /g) | 400-600   | a.f.d.b. |
| Particle Size P(10%)             | 0.4       | um       |
| Particle Size P(50%)             | 13        | um       |
| Particle Size P(90%)             | 38        | um       |
| Mesh 325 (min)                   | 95%       | Vol.     |
| pH (min)                         | 7         | n/a      |
| <b>Packaging</b>                 |           |          |
| Bulk tanker (lb)                 | 40,000    | w.b.     |
| Super sacks (lb)                 | 900       | w.b.     |
| Bags (lb)                        | 100       | w.b.     |
| w.b.= web basis                  |           |          |
| a.f.d.b. = ash free dry basis    |           |          |
| n/a = non applicable             |           |          |

