

## Adsorb SP400

### Pine Wood Activated Carbon

#### Features & Benefits

- An economic natural adsorbent
- Manufactured from a natural renewable source
- High transport:adsorption pore ratio
- Alkaline surface
- Forest Steward Council (FSC) Certified

Adsorb SP400 is an economic activated carbon manufactured by the thermal activation of pine wood. Its high ratio of transport to adsorption pores delivers rapid adsorption kinetics whilst its large pore volume provides good adsorption capacity. SP400 is suitable for use in agriculture, animal nutrition and waste water treatment.

#### Typical applications

- Soil additive
- Growing media additive
- Fertiliser additive
- Animal feed additive
- Irrigation water treatment
- Waste water treatment



Adsorb SP400 is manufactured to be an economic natural adsorbent

#### Available Particle Sizes

- 1.64 – 4mm granule
- 0.425 – 1.64mm granule
- 0.150 – 0.425mm granule
- 0.045 – 0.150mm powder
- Below 0.045mm powder

#### Specification\*

Iodine Number	min 400 mg/g
Fixed Carbon Content	min 85 %
Ash Content	max 10 %
Moisture content (as packed)	max 10 %

#### Typical Properties\*

Iodine Number	471 mg/g
Fixed Carbon Content	90 %
Ash Content	3 %
Moisture content (as packed)	5 %
pH	10
Bulk Density	100 kg/m <sup>3</sup>
Average pore Diameter	18 Å
Total Pore Volume	245 cm <sup>3</sup> /kg
Micro-pore (below 1 nm) Volume	182 cm <sup>3</sup> /kg
Total Surface Area	551 m <sup>2</sup> /g
Micro-pore(below 1 nm) Area	471 m <sup>2</sup> /g

#### Standard Packaging

- 60L laminated polypropylene sack
- 1m<sup>3</sup> laminated polypropylene bag
- Other on request

\* Specifications and typical properties are produced using analytical results from accredited external laboratories. They are listed for informational purposes only and not to be used as purchase specifications. Sales specifications may be obtained from your Adsorb Technical Sales Representative