

COKING COAL

Fact Sheet

What is Coking Coal?

Coking coal is the building block of society. It is used to produce coke which is a porous solid composed mainly of carbon and ash, and is produced when the coal is heated to drive off volatile matter. Good quality coke is hard, has a high crushing strength and is mainly used in blast furnaces that produce iron. Iron is then used to produce steel and a range of other products. For steel production there is no substitute for coking coal.

By-Products

Coking coal is used to make the silicon used in your computer, mobile phone and solar panels. Making the coke also produces by-products used to make plastics, paints, solvents, medicine and perfumes.

Uses of Coking Coal

- Farm equipment (e.g. tractors, fences)
- Communication systems (e.g. TV & mobile phone towers)
- Defence equipment
- Transport systems (e.g. rail & shipping)
- Alternative energy products (e.g. solar panels, wind and gas turbines & geothermal power stations)
- Pipelines for gas, water, sewerage and fuel
- Aeroplanes
- * Homes and office buildings
- * Roads and bridges
- * Motor vehicles and trucks
- * White goods (e.g. fridges & washing machines)
- * Stainless steel products used in hospitals, food production and storage
- * Reinforced Concrete
- * Power lines & support towers