



RAW MATERIALS FOR DECARBONISATION

Cobalt

What is cobalt?

Cobalt is a lustrous, silvery-grey metal with many physical and chemical properties that make it useful in a wide variety of chemical and metallurgical applications.

How is cobalt used in the UK?

In the UK cobalt is used in high performance alloys for the aerospace sector and in the cemented carbide, magnet and special steel industries. Cobalt chemicals are used in the manufacture of batteries, glass and ceramics.

Where is cobalt found in economic concentrations?

Three principal deposit types: Stratiform sediment-hosted copper-cobalt deposits, nickel-cobalt laterite deposits and magmatic nickel-copper (cobalt-platinum-group element) sulphide deposits.

Does the UK import cobalt?

The UK imports cobalt in several forms, chiefly as unwrought metal.

Where does cobalt occur in the UK?

It occurs as a minor constituent of base metal ores in several parts of the UK. However, where these ores were mined in the past, copper, lead and zinc and locally silver and nickel were the main metals of interest.



Figure 1 Pure cobalt cubes (98%). P811633.