

Product

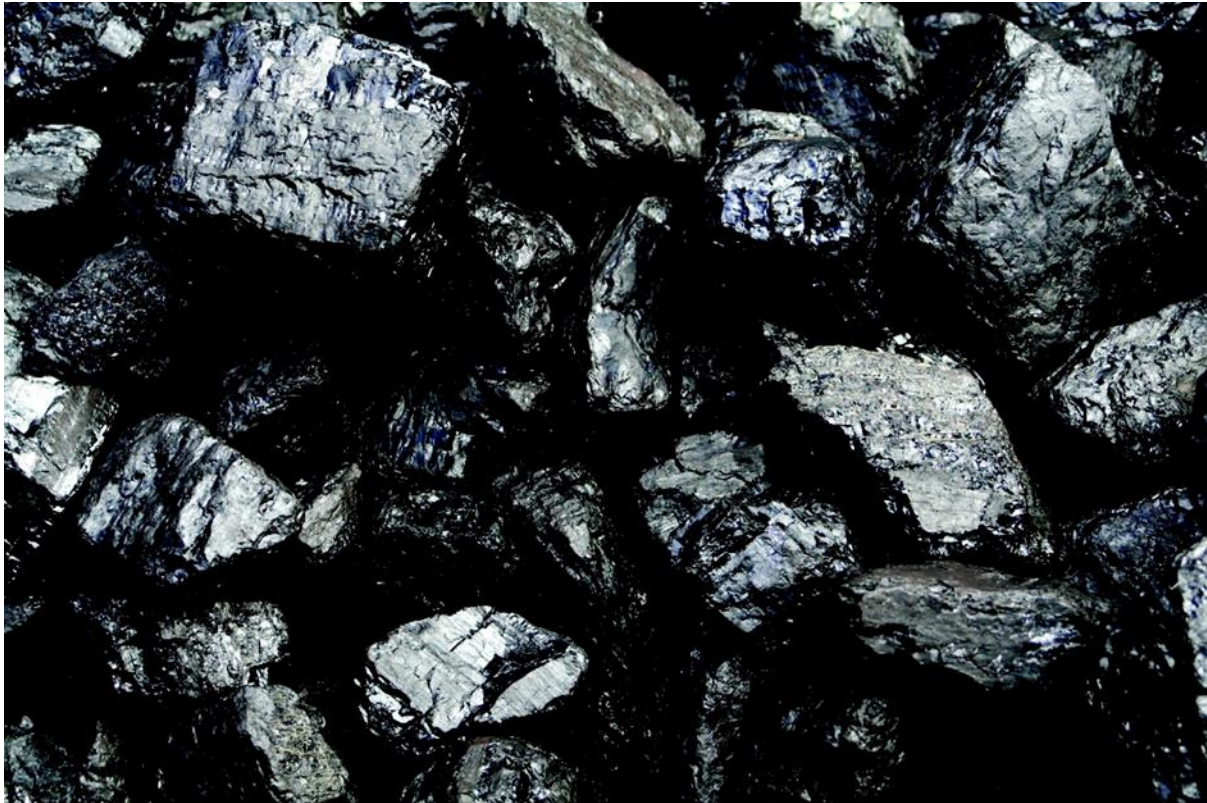
Pretorius Energy (Pty) Ltd can supply various qualities of coal, both washed and unwashed. The specs listed below are based on our averages. We are also capable of blending to assist with special requests. We have an exceptionally positive reputation in the marketplace for going beyond expectations. The amount of repeat and word-of-mouth business we attract proves that. Our skilled professionals with knowledge and experience will find the correct coal to work on your Boiler/Plant.

For the high-quality services, your company needs to do its best work, turn to Pretorius Energy.

We provide products and services that businesses in a variety of industrial and agricultural sectors need :

Industries we supply

- **Cement**
- **Clay Brick Manufacturers**
- **Domestic Heating**
- **Farming & Nurseries**
- **Foundries**
- **Hospitals**
- **Paper, Pulp & Plastics**
- **Poultry**
- **Steel & Metal**
- **Textile & Clothing**
- **And More**



Terminology

Bituminous Coal The term is supplied to coal having a medium to high volatile content of 20% to 36%, a carbon content of 40% to 60%, a calorific value of 20 MJ/Kg to 30 MJ/Kg and an inherent moisture content of 2,5% to 4%.

Anthracite Anthracite is the highest rank of coal and has a high carbon (65% to 82%) and low volatile content of less than 12,5%.

Washed Coal An expression used to describe coal which has undergone a wet cleaning process to improve its quality.

Proximate Analysis The determination of the moisture, volatile matter, fixed carbon and ash content of a fuel sample.

Ultimate Analysis The accurate determination of all the important chemicals present in coal. The elements generally determined are carbon hydrogen, oxygen, nitrogen and sulphur

Analysis Breakdown

C/V	Calorific Value - Heat generated when burned in oxygen
V/M	Volatile Matter - Combustible gases in coal, ease of ignition
I/M	Inherent Moisture - Moisture within pores of coal, unremovable
Ash	Ash
F/C	Fixed Carbon - Not determined, the burning matter

Grading

A Grade	
Component	Typical
Calorific Value	27-28.5%
Ash	12-14%
Volatile Matter	26-28%
Total Moisture	4-6%
Sulphur	Less than 0.6%
Fix Carbon	56-59%

B Grade	
Component	Typical
Calorific Value	26-27.5%
Ash	14-16%
Volatile Matter	26-27%
Total Moisture	4-6%
Sulphur	Less than 0.6%
Fix Carbon	54-56%

C Grade	
Component	Typical
Calorific Value	24-26%
Ash	16-18%
Volatile Matter	23-26%
Total Moisture	5-7%
Sulphur	Less than 1%
Fix Carbon	46-49%

Types & Sizes

Measured in millimetres.

TYPE	SIZE
Large Nuts:	45 x 75
Small Nuts:	25 x 45
Peas:	8 x 25
Duff:	2 X 6
Peaduff	Blend of Duff and Peas

Calculate

CONVERT	WANTED	MULTIPLY
Mj/Kg	Kcal/Kg	238,89
Kcal/Kg	Mj/Kg	0,0004186