

Calcined anthracite

Anthracite (Greek: „bright coals“) is considered to be the highest quality naturally occurring type of carbon, with a carbon content of 90% or more.

Anthracite is created through the „coalification“ of plant components in a highly pressurised, air-free environment that is ideal for producing carbon with extreme hardness characteristics.

Anthracite is mostly used as a fuel because it has a high energy content, burns with a hot flame and produces almost zero combustion residue.



Application

Our anthracites are suitable as a carburising agent for grey cast iron (EN-GJL) and cast steel (EN-GS) in iron foundries as well as in steelworks.

Before being used as a carburising agent, anthracite is thermally cleaned at about 1400°C in a calcination process.

Benefits of RANCO

High carbon content and low volume of volatile components and ash enable efficient carburisation.

Grain sizes

Our standard grain sizes are 1-4 and 4-10 mm.

We would be glad to support you in improving the quality and success of your products.

Your Richard Anton KG Team