
GLOSSARY OF TECHNICAL TERMS

This glossary of technical terms contains explanations of certain technical terms used in this document. As such, these terms and their meanings may not correspond to standard industry meanings or usage of these terms.

"bolting"	securing or locking bolts in a hole drilled into the roof or walls of a rock formation to allow the surrounding rock to support itself
"coal"	a solid combustible mineral substance formed when plants buried in the ground undergo complex biochemical and physical-chemical transformation. Commonly used as a fuel
"coal mining unit"	a machine which cuts coal from a coal seam and loads cut coal onto a scraper conveyor
"coal seam"	a solid mineral layer transformed from the remains of plants, which are important components for coal formation
"continuous coal mining machine"	a machine that performs the functions of extraction, unloading, loading and conveying of coal
"drill"	a machine utilising rotation, percussion (hammering), or a combination of both to make holes
"extraction"	the process of mining and excavation of coal from a mine and/or tunnelling works
"gas cutting"	the use of heat from a gas flame to separate metallic materials
"hard rock mining"	excavation of a tunnel or mine which comprises mainly hard rock
"hydraulic support structure"	a support structure used with coal mining equipments to support the roof of coal mining sites, which protects the safety of coal miners and equipment
"ISO"	International Organisation for Standardisation
"kW"	a unit for measuring power, 1 kW which is equivalent to one thousand watts of electricity
"lean production"	a production practice that considers all operations which do not create value for end-customers to be wasteful
"mPA"	megapascal, a measure of force per unit area
"mt/h"	metric ton(s) per hour

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"roadheader"	a kind of machine which can cut, load, convey and transport coal and rock, which can be used in underground coal mines as well as metal mines and construction work carried out in tunnels
"room and pillar coal mining"	a coal mining technique which divides the coal seam into rooms and pillars in a grid pattern, where the remaining pillars support the roof
"scraper conveyor "	a transportation machine used in the coal mining site which has a track in order to transport coal in the coal mining working site
"soft rock mining"	excavation of a tunnel or mine which comprises rock and coal where the coal density is not less than 50% of the substances found in the tunnel or mine
"sq.m."	square metres
"underground coal mining"	a coal mining process to extract coal in underground tunnels or mines