

CONTENT

CARBON DIOXIDE AND THE ROCK MASSIF

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ACRONYMS IN TEXT, TABLES AND FIGURES

Bpv	- altimetric system Baltic sea after levelling	VOKD	- Výstavba ostravsko-karvinských dolů (Ostrava-Karviná Mines Development OKD Ent.)
CO₂^{karbonátový}	- CO ₂ in carbonates	VKD	- Výstavba kladenských dolů (Kladno Mines Development Ent.)
DP	- mine field	VUD	- Východočeské uhelné doly (East Bohemia Coal Mines Ent.)
DPB OKD	- Důlní průzkum a bezpečnost OKD, k.p. (před rokem 1990) (DPB OKD Ent.) (before 1990)	VVUÚ	- Vědeckovýzkumný uhelný ústav Ostrava-Radvanice (Coal Research Institute)
HBZS	- Hlavní báňská záchranná stanice (Main Mine Rescue Services)	w_ú	- moisture content in situ [% weight]
k_p	- coefficient of permeability for gases [m ²]	w_L	- moisture content in laboratory conditions [% weight]
ODMG	- Section of Mine Surveyor and Geologist (in mine establishment)	w_n	- moisture content of sample fully saturated by water (= water absorption) [% weight]
OKR	- Ostrava-Karviná Coal District (in the Czech part of the Upper Silesian Basin)	c_{CO₂}	- concentration of CO ₂ in air [% , ppm, ppmv]
p_c	- total porosity [%]	μ	- Poisson number [-]
p_{ef}	- effective porosity [%]	ρ_o	- bulk weight [kg·m ⁻³]
p_p	- pressure on the sample surface in time of measurement of gas permeability [MPa]	ρ_s	- specific gravity [kg·m ⁻³]
PÚ	- exploration area	σ_D	- uniaxial compressive strength [MPa]
d_{vz}	- diameter of sample	σ_T	- splitting tensile strength [MPa]
p_r	- residual pressure after packing [MPa]	σ_{VTL}	- indent strength (poit loading test) [MPa]
p_t	- pressure of packing [MPa]		
p_{gmin}	- vertical component of geostatic pressure on the top of body with packing [MPa]		
p_{gmax}	- vertical component of geostatic pressure on the base of body with packing [MPa]		
(p_t-p_r) = p_{diff}	- differential pressure as difference of packing pressure and residual pressure after packing [MPa]		
R_o	- average vitrinite reflectance [%]		
V^{daf}	- content of volatile matter in coal, dry [%]		
V_{COP}	- cumulative volume of mercury intrusion into pores [cm ³ ·g ⁻¹] or [mm ³ ·g ⁻¹]		
ZŽ	- lost of ignition up to 1000°C in oxidation regime of heating [% weight]		
ÚGN	- Ústav geoniky Akademie věd ČR, v. v. i. v Ostravě (Institute of Geonics ASci CR)		