

Type area: ÖK50-UTM, map sheet 4215 Eisenerz (ÖK 50-BMN, map sheets 101 Eisenerz and 131 Kalwang).

Type section: Not indicated in the literature.

Reference section(s): -

Derivation of name: After the lithology and the mass occurrence of crinoids.

Synonyms: Partim “Crinoiden führende Bänderflaserkalke” (SCHÖNLAUB, 1982a).

Lithology: Grey and pink crinoid bearing flaser limestone (SCHÖNLAUB, 1976, 1979, 1982a).

Fossils: Crinoids, conodonts.

Origin, facies: Shelf deposits (?).

Chronostratigraphic age: Llandovery/Wenlock.

Biostratigraphy: *amorphognathoides* conodont zone.

Thickness: 15 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Volcanics; Polster Quartzites (SCHÖNLAUB, 1992; not illustrated in Text-Fig. 2).

Overlying unit(s): Black Lydites, Alaun Schists.

Lateral unit(s): Red Sparitic Limestone.

Geographic distribution: E-GWZ; Styria, Eisenerzer Alpen.

Remarks: -

Complementary references: -

Rote Sparitkalke / Red Sparitic Limestone

Fritz Ebner

Validity: Invalid; not formalized working term; first description by FLAJS & SCHÖNLAUB (1976).

Type area: ÖK50-UTM, map sheet 4215 Eisenerz (ÖK-BMN, map sheet 101 Eisenerz).

Type section: Ca. 45 m above the bend (N 47°31'44" / E 14°58'03") of the Knappensteig (trail from Präbichl Pass to Leobner Hütte) at the ridge separating the Polsterkar and the Polster S-slope (ÖK50-UTM, map sheet 4215 Eisenerz, ÖK50-BMN, map sheet 101 Eisenerz).

Reference section(s): -

Derivation of name: According to the predominant lithological character.

Synonyms: Partim “Silur Transgressionsbildungen” (SCHÖNLAUB, 1977b).

Lithology: Pinkish-grey, massive sparry limestone with mm-thick irregular greenish flaser textures in the lower parts and metasomatically mineralized by iron-carbonate (“Rohwand”) in the hanging parts (FLAJS & SCHÖNLAUB, 1976).

Fossils: Conodonts.

Origin, facies: Transgression deposits.

Chronostratigraphic age: Llandovery (SCHÖNLAUB, 1997b).

Biostratigraphy: *Icriodina cf. irregularis* and *Distomodus stauognathoides* indicate Aeronian stage (FLAJS & SCHÖNLAUB, 1976).

Thickness: 3 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Cystoid Limestone.

Overlying unit(s): Orthoceratid Limestone.

Lateral unit(s): -

Geographic distribution: E-GWZ; Styria: Polsterkar in the Eisenerzer Alpen.

Remarks: The lower part of the Red Sparitic Limestone is composed of 60 cm sandy shales (FLAJS & SCHÖNLAUB, 1976: Fig. 3).

Complementary references: TOLLMANN (1977), SCHÖNLAUB (1979, 1980a, 1982a), EBNER et al. (1989), SCHÖNLAUB & HEINISCH (1993).

Orthocerenkalk / Orthoceratid Limestone

Fritz Ebner

Validity: Invalid; working term used as local (lithostratigraphic) unit (SCHÖNLAUB, 1982a).

Type area: Eisenerzer Alpen, ÖK50-UTM, map sheet 4215 Eisenerz, ÖK50-BMN, map sheet 101 Eisenerz.

Type section: Not defined.

Reference section(s): -

Derivation of name: After the occurrence of orthoceratid nautiloids.

Synonyms: Orthocerenkalke der Rotschütt (FLAJS et al., 1963), “Kalke der Handlalm” (FLAJS, 1964, 1967).

Lithology: Thick bedded grey – dark grey and rarely pinkish sparry limestones, sometimes with nautiloids.

Fossils: Nautiloids, conodonts, crinoids, trilobites, filaments.

Origin, facies: Pelagic environment.

Chronostratigraphic age: Silurian, (?) Wenlock–Ludlow.

Biostratigraphy: *ploeckensis* Zone to *siluricus* Zone (FLAJS et al., 1963; FLAJS, 1964, 1967; FLAJS & SCHÖNLAUB, 1976).

Thickness: 24 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Red Sparitic Limestone (FLAJS & SCHÖNLAUB, 1976).

Overlying unit(s): Lower Polster Limestone.

Lateral unit(s): Black Lydites, Alaun Schists and the “Mischfazies”, an intermediate facies between the Orthoceratid Limestone and the Black Lydites, Alaun Schists (SCHÖNLAUB, 1982a).

Geographic distribution: E-GWZ: Styria, Eisenerzer Alpen.

Remarks: -

Complementary references: TOLLMANN (1977) SCHÖNLAUB (1979, 1980a), EBNER et al. (1989), SCHÖNLAUB & HEINISCH (1993).

Schwarzer Kieselschiefer, Alaunschiefer / Black Lydites, Alaun Schists

Fritz Ebner

Validity: Invalid; working term used as local (lithostratigraphic) unit (SCHÖNLAUB, 1982a).

Austrian Stratigraphic Chart 2004 - Paleozoic

(sedimentary successions)

Austrian Stratigraphic Commission



ERA	SYSTEM / PERIOD / SERIES / EPOCH	STAGE / AGE	DURATION Ma	Global Classification					
				ERATHM / ERA	SYSTEM / PERIOD / SERIES / EPOCH				
PALEOZOIC	PERMIAN	CHANGHSINGIAN / Dorashamian	251	PERMIAN	MID PERMIAN / GUADALUPIAN				
		WUCHIAPINGIAN / Dzhulfian	255						
		CAPITANIAN	260						
		WORDIAN	265						
		ROADIAN	270						
		PERMIAN	LOWER PERMIAN / CISURALIAN			KUNGURIAN	275		
						ARTINSKIAN	280		
						SAKMARIAN	285		
						ASSELIAN	290		
		PERMIAN	UPPER PERMIAN / CARBONIFEROUS PENNSYLVANIAN			GZHELIAN	295	PERMIAN	LOWER PERMIAN / CISURALIAN
KASIMOVIAN	300								
MOSKOVIAN	305								
BASHKIRIAN	310								
PERMIAN	UPPER PERMIAN / CARBONIFEROUS PENNSYLVANIAN			SERPUKHOVIAN	315				
				VISEAN	320				
					325				
PERMIAN	LOWER PERMIAN / MISSISSIPPIAN			TOURNAISIAN	330	PERMIAN	LOWER PERMIAN / MISSISSIPPIAN		
				335					
				340					
		345							
		350							
		355							
		359.2							
		PERMIAN	UPPER DEVONIAN	FAMENNIAN	365			PERMIAN	UPPER DEVONIAN
				FRASNIAN	370				
				375					
380									
385									
390									
395									
400									
405									
410									
PERMIAN	LOWER DEVONIAN	EMSIAN	415	PERMIAN	LOWER DEVONIAN				
		PRAGIAN	420						
		LOCHKOVIAN	425						
		430							
		435							
		440							
		443.7							
		445							
		PERMIAN	UPPER ORDOVICIAN			HIRNANTIAN	447	PERMIAN	UPPER ORDOVICIAN
						450			
455									
460									
465									
470									
475									
480									
485									
488.3									
PERMIAN	MIDDLE ORDOVICIAN	TREMACIAN	490	PERMIAN	MIDDLE ORDOVICIAN				
		495							
		500							
		505							
		510							
		515							
		520							
		525							
		530							
		535							
PERMIAN	LOWER ORDOVICIAN	PAIBIAN	540	PERMIAN	LOWER ORDOVICIAN				
		545							
		550							
		555							
		560							
		565							
		570							
		575							
		580							
		585							
CAMBRIAN	UPPER CAMBRIAN	488.3	CAMBRIAN	UPPER CAMBRIAN					
		490							
		495							
		500							
		505							
		510							
		515							
		520							
		525							
		530							
CAMBRIAN	MIDDLE CAMBRIAN	535	CAMBRIAN	MIDDLE CAMBRIAN					
		540							
		545							
		550							
		555							
		560							
		565							
		570							
		575							
		580							
CAMBRIAN	LOWER CAMBRIAN	585	CAMBRIAN	LOWER CAMBRIAN					
		590							
		595							
		600							
		605							
		610							
		615							
		620							
		625							
		630							
CAMBRIAN	UPPER CAMBRIAN	635	CAMBRIAN	UPPER CAMBRIAN					
		640							
		645							
		650							
		655							
		660							
		665							
		670							
		675							
		680							
CAMBRIAN	MIDDLE CAMBRIAN	685	CAMBRIAN	MIDDLE CAMBRIAN					
		690							
		695							
		700							
		705							
		710							
		715							
		720							
		725							
		730							
CAMBRIAN	LOWER CAMBRIAN	735	CAMBRIAN	LOWER CAMBRIAN					
		740							
		745							
		750							
		755							
		760							
		765							
		770							
		775							
		780							



- Legend**
- pelagic, offshore, siliciclastic
 - pelagic, nearshore, calcareous
 - shallow marin, neritic
 - terrestrial-continental, coarse clastic
 - terrestrial-continental, fine clastic
 - evaporite (chloride, sulphate)
 - rhyolite, dacite
 - (basaltic) andesite, trachyandesite
 - basalt
 - phyllite
 - mixed-facies (in corresponding colors)
 - coal (may include several seams)
 - ? position/age doubtful/controversial
 - | equal units
 - \ older unit left \ younger unit right
 - hiatus
 - unconformity
 - GSSP
 - Fm. Formation
 - Ls. Limestone

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Cutout and English adaptation of the "Die Stratigraphische Tabelle von Österreich 2004": Geological Survey of Austria

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