

**Fossils:** Conodonts, tentaculites, stromatoporoids, crinoids (FLAJS & SCHÖNLAUB, 1976).

**Origin, facies:** Pelagic basinal environment (FLAJS & SCHÖNLAUB, 1976).

**Chronostratigraphic age:** Lower Devonian (?Pragian) (FLAJS & SCHÖNLAUB, 1976).

**Biostratigraphy:** Based on conodonts.

**Thickness:** 50 m.

**Lithostratigraphically higher rank unit:** -

**Lithostratigraphic subdivision:** -

**Underlying unit(s):** Crinoid-Stromatoporoid Limestone (FLAJS & SCHÖNLAUB, 1976).

**Overlying unit(s):** Permian Präbichl Formation along an angular unconformity.

**Lateral unit(s):** Flaser Limestones, Sauberg Limestone.

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

**Remarks:** -

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

### Sauberg-Kalk / Sauberg Limestone

FRITZ EBNER

**Validity:** Invalid; not formalized.

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

**Type section:** Sauberg quarry, ÖK50-UTM, map sheet 4215 Eisenerz (ÖK50-BMN, map sheet 101 Eisenerz) at former Erzberg SSW slope. This locality does not exist anymore due to siderite mining.

**Reference section(s):** -

**Derivation of name:** According to the former Sauberg quarry at the Erzberg.

**Synonyms:** "Sauburger Kalk" (STUR, 1866); "Erzführender Kalk" (CZERMAK, 1931).

**Lithology:** Thick bedded, light to pinkish, red mottled limestone.

**Fossils:** Corals, gastropods, bivalves, nautiloids, trilobites (scutellids), brachiopods (STUR, 1865, 1866; HERITSCH, 1931a; CZERMAK, 1931), conodonts (SCHÖNLAUB et al., 1980).

**Origin, facies:** Carbonate shelf environment.

**Chronostratigraphic age:** Upper Lower Devonian (upper Pragian–Zlichovian; SCHÖNLAUB, 1979; SCHÖNLAUB et al., 1980).

**Biostratigraphy:** Based on conodonts.

**Thickness:** 70–150 m.

**Lithostratigraphically higher rank unit:** -

**Lithostratigraphic subdivision:** -

**Underlying unit(s):** Flaser Limestones.

**Overlying unit(s):** Flaser Limestones.

**Lateral unit(s):** Flaser Limestones, Upper Polster Limestone.

**Geographic distribution:** E-GWZ; Eisenerzer Alpen.

**Remarks:** Historical term for pinkish red mottled fossiliferous limestones first named by STUR (1865, 1866) from the Erzberg. Later this term was often used as synonym for Lower Devonian reddish mottled flaser limestones in the Eisenerzer Alpen.

**Complementary references:** TOLLMANN (1977), SCHÖNLAUB (1980a), EBNER et al. (1989).

### Massenkalk / Massive Limestones

FRITZ EBNER

**Validity:** Invalid; informal working term.

**Type area:** Eisenerzer Alpen, ÖK50-UTM, map sheet 4215 Eisenerz (ÖK50-BMN, map sheets 101 Eisenerz, 132 Trofaiach).

**Type section:** Not indicated.

**Reference section(s):** -

**Derivation of name:** According to the massive lithological character.

**Synonyms:** Partim "Erzführende Kalke" (STACHE, 1874); "Heller Bänderkalk der Reitingdecke" (SCHÖNLAUB, 1982a).

**Lithology:** Massive and sometimes banded limestones.

**Fossils:** Heliolitids, Syringoporids, stromatoporoids, conodonts (HERITSCH, 1927b; HABERFELNER, 1935; SCHÖNLAUB, 1979).

**Origin, facies:** Shallow water "reef" facies.

**Chronostratigraphic age:** Devonian (?Middle Devonian).

**Biostratigraphy:** -

**Thickness:** -

**Lithostratigraphically higher rank unit:** -

**Lithostratigraphic subdivision:** -

**Underlying unit(s):** Flaser Limestones.

**Overlying unit(s):** -

**Lateral unit(s):** Flaser Limestones.

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

**Remarks:** Formerly, the massive limestones were attributed to a Middle Devonian reef facies. However, all conodont data constrain an Early Devonian age. Middle Devonian was only dated from one limestone layer from level "Dreikönig" at Erzberg which was later removed by mining activities. Nevertheless, it is suggested that Middle Devonian could be represented by massive banded limestones of the Reiting Nappe at some localities of the Eisenerzer Alpen (e.g., Linseck, HÖchstein, Stadelstein, Schwarzenstein; SCHÖNLAUB, 1982a: p. 394).

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

### Plattenkalk / Platy Limestone

FRITZ EBNER

**Validity:** Invalid; informal working term (SCHÖNLAUB, 1979).

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

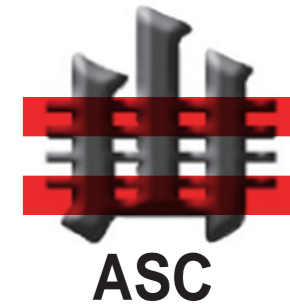
**Type section:** Kalkschuppe at Erzberg.

**Reference section(s):** -

# 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 / Dorashanian	251	PERMIAN	MID PERMIAN / GUADALUPIAN / LOPINGIAN				
		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 / CISURALIAN			TOURNAISIAN	330	PERMIAN	LOWER PERMIAN / CISURALIAN		
				335					
				340					
		345							
		350							
		355							
		359.2							
		PERMIAN	UPPER PERMIAN / DEVONIAN	FAMENNIAN	360			PERMIAN	UPPER PERMIAN / DEVONIAN
				FRASNIAN	365				
				370					
375									
380									
385									
390									
395									
400									
405									
PERMIAN	LOWER PERMIAN / DEVONIAN	EMSIA	410	PERMIAN	LOWER PERMIAN / DEVONIAN				
		PRAGIAN	415						
		LOCHKOVIAN	420						
		425							
		430							
		435							
		440							
		443.7							
		445							
		PERMIAN	UPPER PERMIAN / DEVONIAN			LUDFORDIAN / GORSTIAN	450	PERMIAN	UPPER PERMIAN / DEVONIAN
HOMERIAN / SHEINWOOD	455								
TELYCHIAN	460								
AERONIAN	465								
RHUDDANIAN	470								
HIRNANTIAN	475								
480									
485									
488.3									
PERMIAN	UPPER PERMIAN / DEVONIAN			WEN-LUD-LOCK / LOW	490	PERMIAN	UPPER PERMIAN / DEVONIAN		
		495							
		500							
		505							
		510							
		515							
		520							
		525							
		530							
		535							
CAMBRIAN	UPPER CAMBRIAN	PAIBIAN	540	CAMBRIAN	UPPER CAMBRIAN				
		545							
		550							
		555							
		560							
		565							
		570							
		575							
		580							
		585							
CAMBRIAN	LOWER CAMBRIAN	590	CAMBRIAN	LOWER CAMBRIAN					
		595							
		600							
		605							
		610							
		615							
		620							
		625							
		630							
		635							



- 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

The Austrian Stratigraphic Chart 2004 - Paleozoic is a supplement of:  
 Hubmann, B., Ebner, F., Ferretti, A., Kido, E., Krainer, K., Neubauer, F., Schönlaub, H.-P. & Suttner, T.J. (2014): The Paleozoic Era (them), 2<sup>nd</sup> edition. - In: Pillner, W.E. (Ed.): The lithostratigraphic units of the Austrian Stratigraphic Chart 2004 (sedimentary successions) - Vol. 1 - Abhandlungen der Geologischen Bundesanstalt, 66, 9-133, Wien.

Printing: Grasl Druck & Neue Medien GmbH, Bad Vöslau 2014

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