Fossils: Unknown; SCHLAMBERGER (1987) reported "ghost structures" of organic debris in thin sections.

Origin, facies: Shallow marine deposits (?).

Chronostratigraphic age: ?pre-Silurian–Silurian.

Biostratigraphy: -

Thickness: Strong variations; approx. 400 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: SCHLAMBERGER (1987) mentioned four units: calcareous phyllites with maximum thickness of 250 m, phyllites (and quartzitic phyllites) at Steinriegel southeast of Kitzeck with strongly fluctuating thickness, metatuffs and metatuffites with different amounts of ore mineralizations, and marbles which occur as lenses. On the eastern slope of the Demmerkogel this marble horizon reaches a thickness of 20 to 30 m.

Underlying unit(s): Acidic Volcaniclastics and Mallitschberg-Kitzeck Slates.

Overlying unit(s): Metabasaltic Complex.

Lateral unit(s): Acidic Volcaniclastics.

Geographic distribution: Sausal region, ?Remschnigg; ÖK50-BMN, map sheets 190 Leibnitz, 207 Arnfels.

Remarks: -

Complementary references: -

Metabasaltischer Komplex / Metabasaltic Complex

BERNHARD HUBMANN

Validity: Invalid; comprehensive description by SCHLAMBERGER (1987: p. 39; "Metabasaltkomplex").

Type area: ÖK50-UTM, map sheet 4111 Leibnitz (ÖK50-BMN, map sheet 190 Leibnitz).

Type section: No type section published; SCHLAMBERGER (1987) noticed at Wiesberg two abandoned quarries exposing rocks of the unit (N 46°47'54" / E 15°31'26").

Reference section(s): SCHLAMBERGER (1987) mentioned further occurrences at Demmerkogel and Grillkogel (ÖK50-BMN, map sheet 207 Arnfels) (N 46°44'52" / E 15°24'09").

Derivation of name: After the dominating basaltic lithology of the unit.

Synonyms: Metabasaltkomplex (SCHLAMBERGER, 1987); partly: Kugeldiabase (HOERNES, 1889); Diabasporphyrit (LEITMEIER, 1907, 1908); Metadiabase [im Sausalgebirge] (ANGEL, 1924); Gleinstätterberg Serie (SCHIMUNEK, 1958); Serizit-Quarz Gesteine vom Madlkogel (SCHIMUNEK, 1958).

Lithology: Basaltic rocks of tholeitic composition with various secondary changes in mineralogy.

Fossils: -

Origin, facies: Geochemical data (SCHLAMBERGER, 1987) point to a continental rift position.

Chronostratigraphic age: Unknown; probably Lower Devonian.

Biostratigraphy: -

Thickness: Strong variation in thickness ranging from two meters up to several meters.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Metapelitic Complex.

Overlying unit(s): Metapsammitic Complex.

Lateral unit(s): ?

Geographic distribution: Sausal region, ?Remschnigg; ÖK50-BMN, map sheets 190 Leibnitz, 207 Arnfels.

Remarks: SCHLAMBERGER (1987) distinguished three types of metabasalts, the diabase at Wiesberg (massive and hard, dark-green to black vein rock), the metabasalts of Demmerkogel (strongly tectonized, light-green to reddish rocks), and metabasalts of Grillkogel (massive blackish basalts) at the contact to Neogene covering sediments.

Complementary references: FLÜGEL & NEUBAUER (1984).

Metapsammit Komplex / Metapsammitic Complex

BERNHARD HUBMANN

Validity: Invalid; comprehensive description by SCHLAMBERGER (1987: p. 18; "Metapsammitkomplex").

Type area: ÖK50-UTM, map sheet 4111 Leibnitz (ÖK50-BMN, map sheet 190 Leibnitz).

Type section: No type section defined; SCHLAMBERGER (1987) mentions thick sequences overlying the diabases (= Metabasaltic Complex) at Wiesberg (E 15°31'26" / N 46°47'54").

Reference section(s): Further outcrops for reference are stratigraphically above the diabase horizon at Kreuzkogel (496 m; N 46°47'21" / E 15°30'48"), at Demmerkogel (671 m; N 46°47'10" / E 15°25'47"), north of the road from Kostnast to Grillbauer inn and in the upper part of the Wöllinggraben at the eastern slope of Nebenegg (N 46°48'13" / E 15°26'50").

Derivation of name: After the most prominent lithology (weakly metamorphosed rocks with grains of sand size) of the unit.

Synonyms: Tonschiefer (SCHÖNLAUB, 1979); partly: Gleinstätterberg Serie (SCHIMUNEK, 1958); Serizit-Quarz Gesteine vom Madlkogel (SCHIMUNEK, 1958).

Lithology: Typically compact fine-grained grey, brown or light-red rocks with local interbeddings of phyllites.

Fossils: Unknown.

Origin, facies: Due to the lack of fossils and sedimentary structures unknown. Heavy minerals point to a hinterland with acidic magmatic and metamorphic rocks. Shallow marine deposits (?).

Chronostratigraphic age: ?Lower Devonian.

Biostratigraphy: -

Thickness: Strong variations; approx. 250 m.

Lithostratigraphically higher rank unit: -

Lithostratigraphic subdivision: -

Underlying unit(s): Metabasaltic Complex.

Overlying unit(s): Burgstall Flaser Limestones, Greywackes.

Lateral unit(s): Burgstall Flaser Limestones.

Geographic distribution: Sausal region, ?Remschnigg; ÖK50-BMN, map sheets 190 Leibnitz, 207 Arnfels.

Remarks: -

Complementary references: -

Austrian Stratigraphic Chart 2004 - Paleozoic

(sedimentary successions)

Austrian Stratigraphic Commission

ASC

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

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

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