

Baumit Bad Ischl

# STARINKOGEL



Western side



Massive dendroid corals

Limestone bed with ca. 15 cm big Megalodonts, preserved in life position. Level 804.



Aerial photo of the quarry with the Traun valley in the background.

Dated as Rhätian resp. younger Dachsteinkalk by the foraminifera *Trasina hantkeni* MAJZON 1954. Thickness of the Dachsteinkalk is unknown due to possible tectonical repetition (approximate value 80 m). Facies: lagoonal, bedded Dachsteinkalk. Its stratigraphic record shows alternation of muddy and detrital facies. However lateral changes of the facies within one bed should be considered as well. Moreover, variations occur which are characterized by extremely nodular bedding planes and the corresponding marly intercalations [85] as well as dark, thinly bedded, partially boudinaged limestones with similar marly intercalations [132 below the slickenside], mostly in connection with dark slightly thicker beds of coral bearing limestone [91, 138]. Another type consists of very light to yellow weathered thick bedded limestones, free of noticeable marl seams [132 above the slickenside, 137]. Megalodonts occur frequently, but they are strikingly enriched in one bed [129, 130]. Black Kössener Mergel (marls), the same as in the quarry Ebensee within the Dachsteinkalk sequence, occur in the eastern part of this quarry too. They are not extracted for they do not fulfill the requirements to produce lime. The tectonic structure of this deposit is not satisfactorily understood at the moment. The prevailing direction is E-W (see Schmidt diagrams). Two theories seem possible: either a west dipping syncline or parallel oriented wedges. More biostratigraphic data are necessary.



128

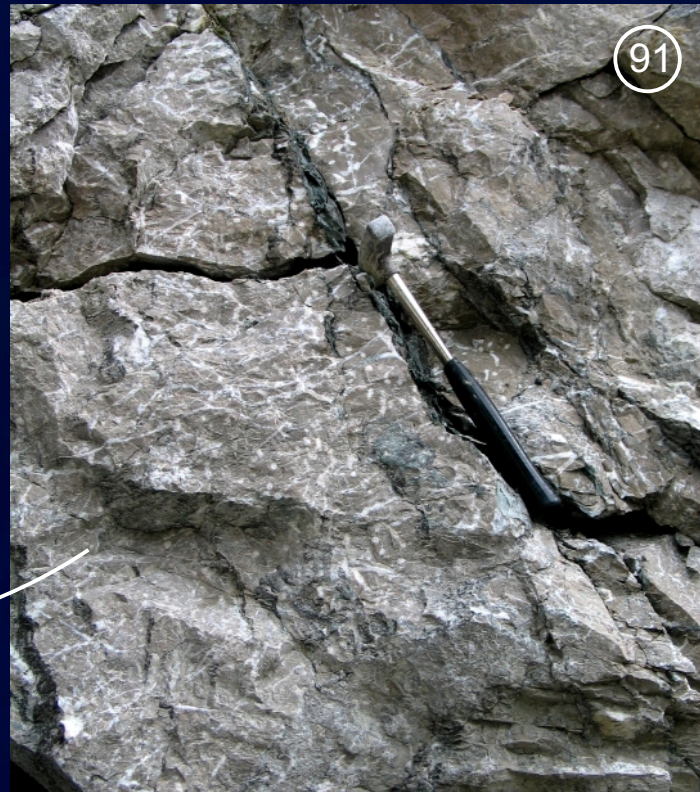


129

About 17 m higher up in the profile measured from the bed of the photo 128 there occurs a characteristic bed with numerous Megalodonts accumulated by currents. Photo from level 797.



132



91



85

Level 797  
Thinner bedded marly dark limestones on the left margin of the picture, below them branched corals occur [91]. Above the slickenside (329/67) light thick bedded limestones are following.

Dendroid corals

Nodular bedding planes near the northeast corner, floor 770.

Middle part of the upper quarry, viewed from the main level.



The floor is covered with about 3 m thick waste of soil and building material (foreground). The folded siliceous limestones with several intercalated cm thick marl layers, reaching a thickness of up to 8 m and lying beneath the Rettenbachkalk, are unsuitable for all imaginable purposes and were spared from extraction X.



329/67

Northern group of quarries / former Mullegger-Brüche

South of the rise of the siliceous limestones. Radiolarian cherts are the formation underlying the Rettenbachkalk. These cherts show a bedding of about 1 decimetre, a greenish colour and have only 1 - 2 cm thin intermediary marl layers. B-axis of the fold: ca. 230/20. Tape measure 1 m.



Red micritic limestone showing the stylolitic network of a stylolite breccia, yet it is not composed of transported components. It corresponds to the polished "Ischler lawn". However, due to tectonical separation planes only stone for river construction was produced from this quarry.

Western face with up to 9 m thick Rettenbachkalk and the middle part of the quarry.



The up to 17 m thick rock slab of light beige, black weathered, thick bedded to massive (in the eastern wall thin bedded) west dipping Rettenbachkalk was extracted, thereby exposing the former underlying thin bedded and folded radiolarian cherts throughout the large middle front of the quarry whereas the Rettenbachkalk remains only as a frame.

Southerly quarry / former quarry of the Traun-river construction management

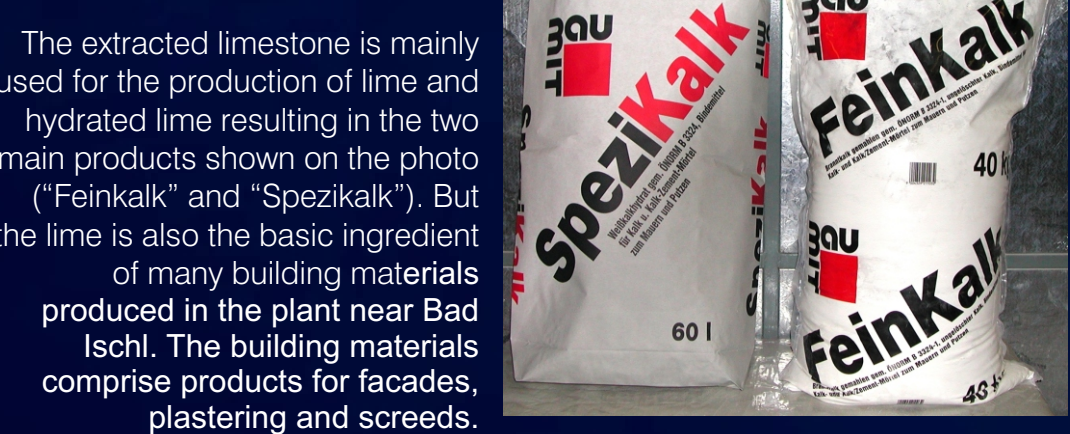


# HUBKOGEL - REITERNDORF

Stonemason Company A. Mullegger



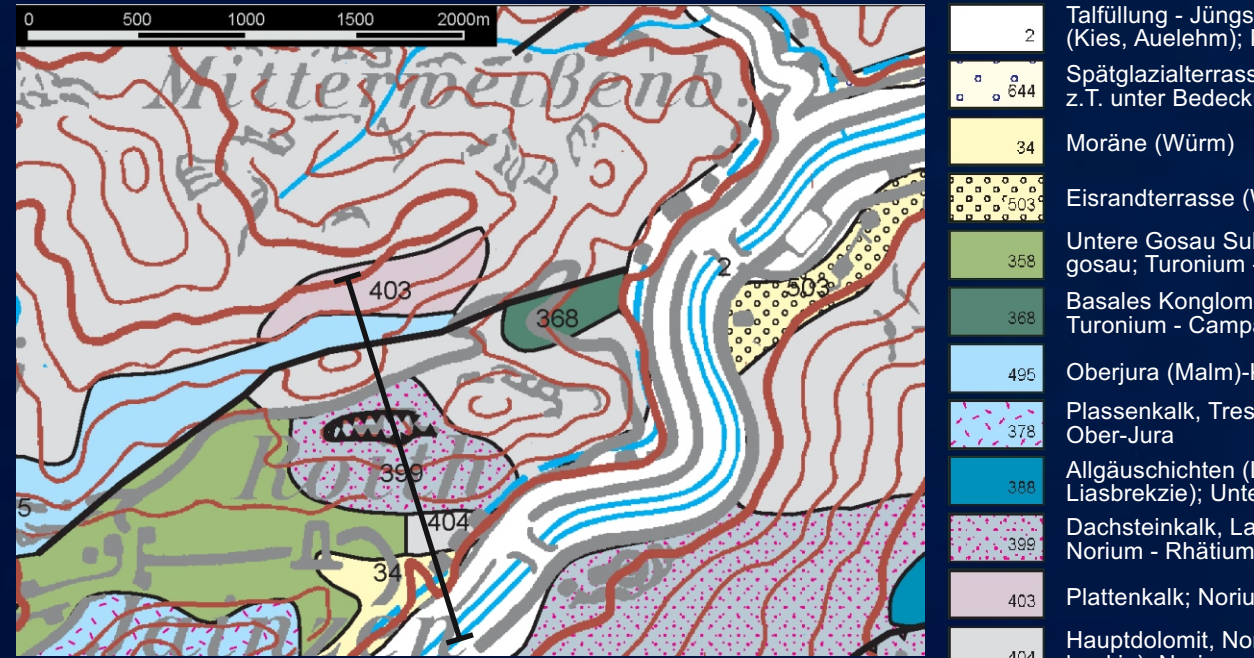
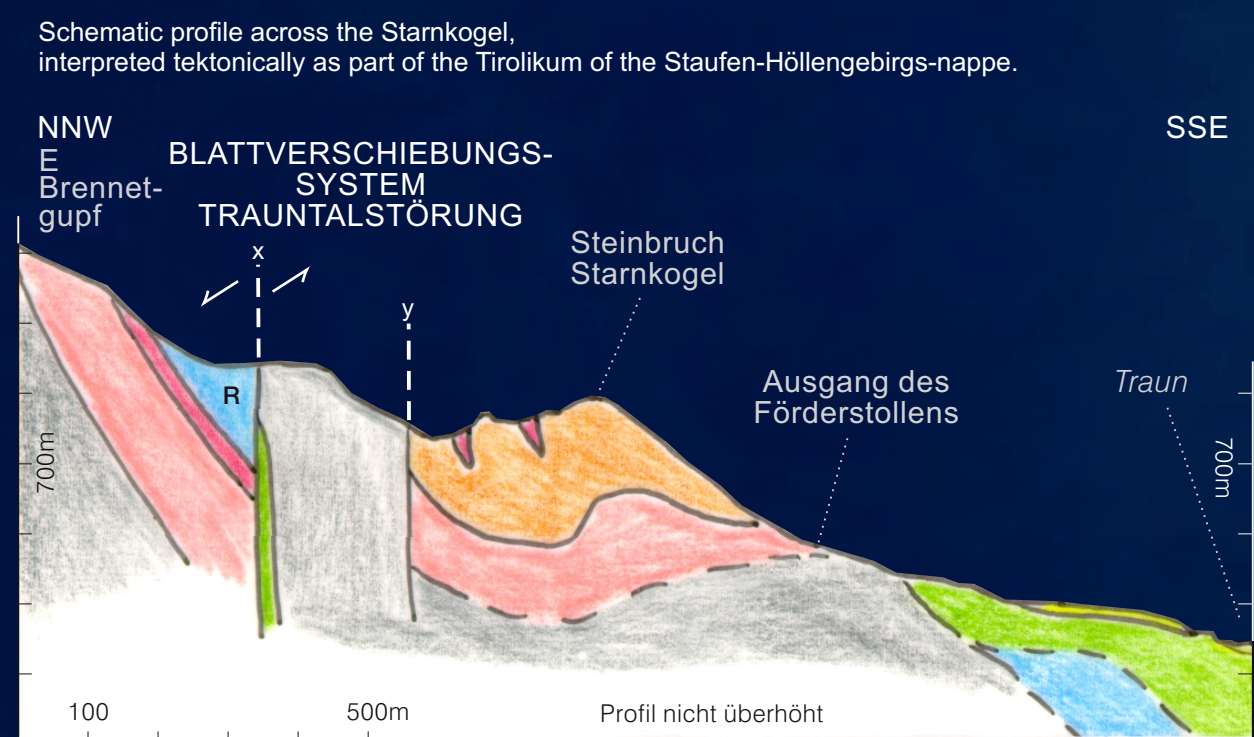
View of the eastern sequence on the quarry floor, 770.



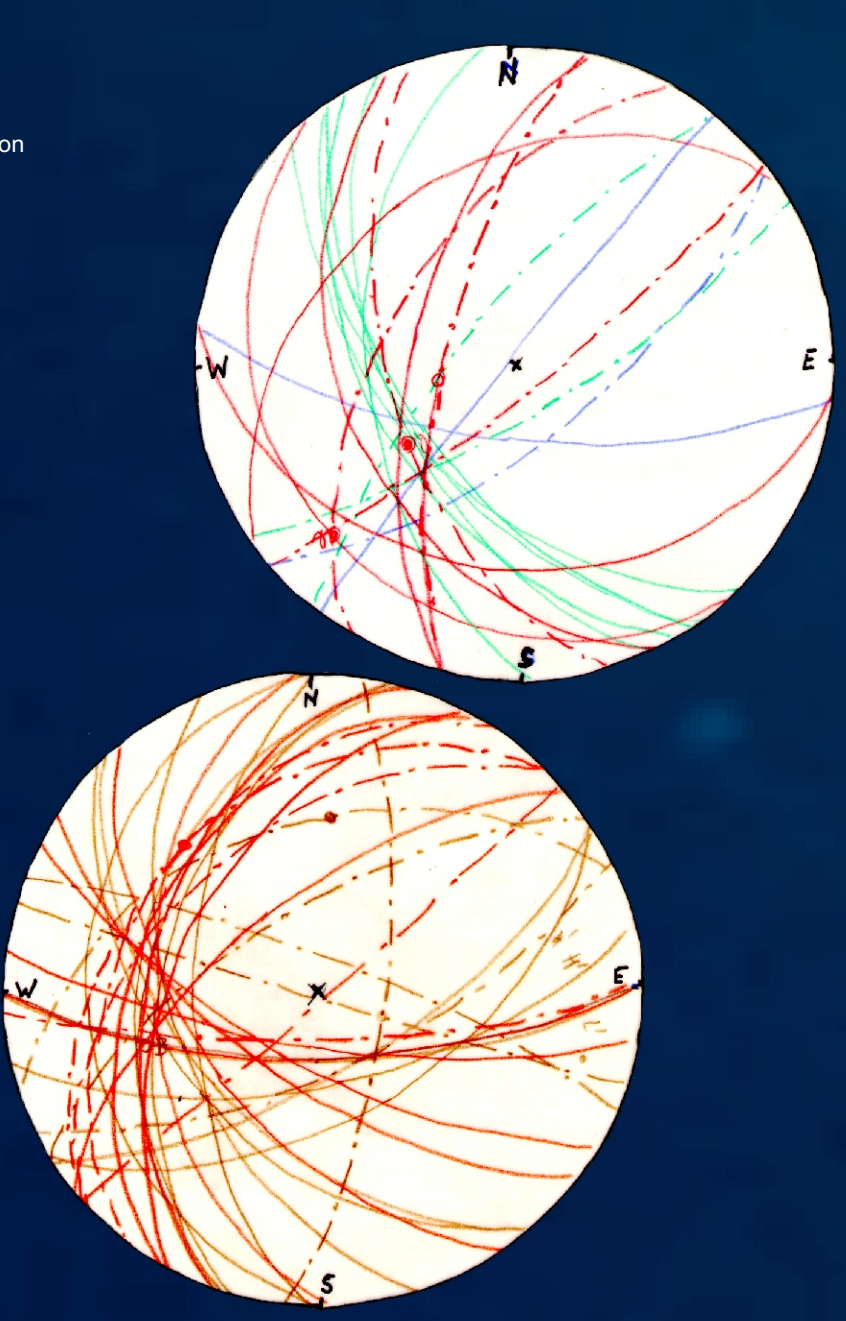
The extracted limestone is mainly used for the production of lime and hydrated lime resulting in the two main products shown on the photo ("Feinkalk" and "Spezialkalk"). But the lime is also the basic ingredient of many building materials produced in the plant near Bad Ischl. The building materials comprise products for facades, plastering and screeds.



The light bedded limestones on the uppermost level are a useful protection against seeing into the quarry from Bad Ischl the nearest town at present.



Schmidt diagrams show the tridimensional position of bedding and fault planes. They were acquired on nearly all levels (each of them symbolized by different colours) and could be interpreted as the expression of a west dipping fold structure. Continuous lines represent bedding planes, broken lines represent fault planes.



# HUBKOGEL - REITERNDORF

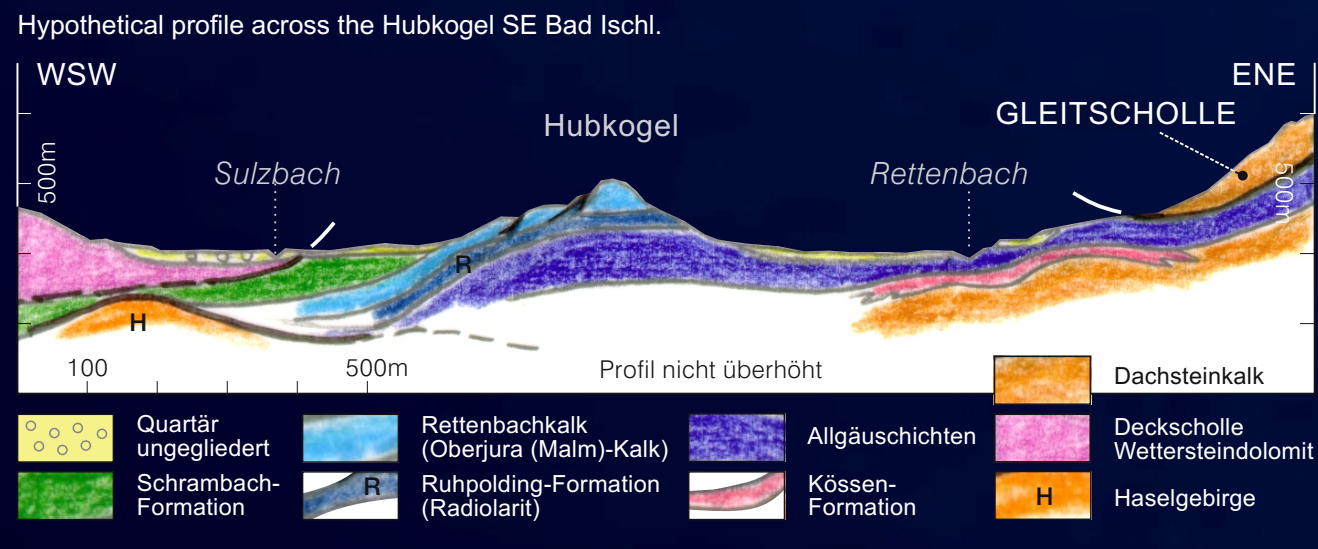
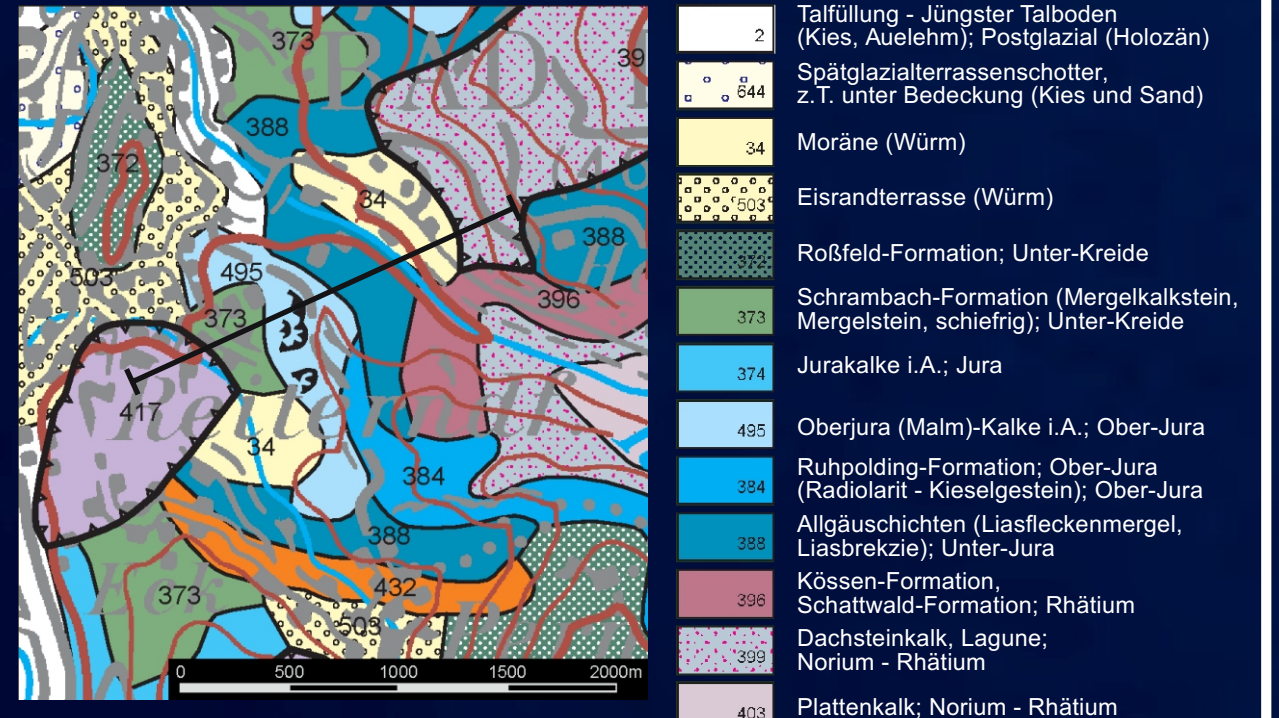
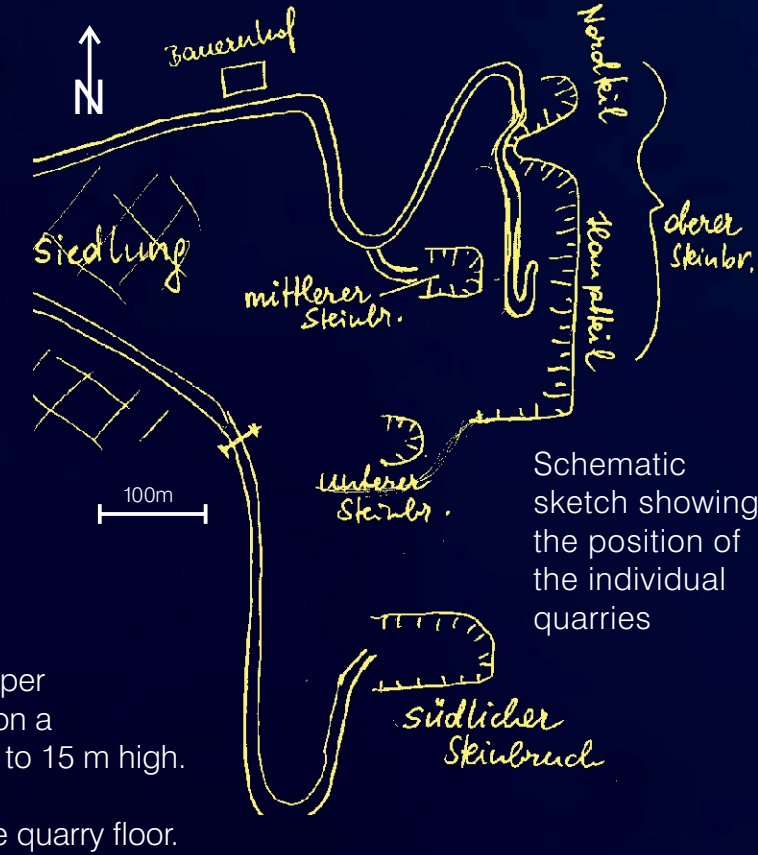
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Southern part of the upper quarry. Wall facing west and southerly wall facing north. The quarry is divided into the lower face of 9 m height and the upper face of up to 15 m height, resp. into the floor and the main level.



The small middle quarry of the upper quarry's group, westerly situated on a lower level, ca. 30 m wide and up to 15 m high. North and west face. Building waste material covers the quarry floor. It is the sole quarry where sawing techniques were used for dimension stone that was later processed for polished slabs. Yet today mainly slickensides and fracture planes are visible. On the contrary the remaining quarries were all worked by blasting. According to reiwkwas & Holzner (1971) the Rettenbachkalk - here they are massively bedded up to 2.5 m, orientation 253/18 - are succeeded by marly, about 1 dm thick, undulatory beds of Rettenbachschichten. They gradually pass into the overlying Schrambachschichten (X).



## Commodities

Use in the interior design. And architecture, retaining walls in road engineering, facings of buttresses and bridge piers, also for river structural works.



Stylolite breccias formed by diagenesis and tectonics were traded as "Ischler Gemischtfarbig" ("Ischler mixed coloured"). Floor slabs ca. 30 x 60 cm.

Model slab Ischler Rehbraun ("Ischler fawn"), polished (pen 15 cm)



Model slab "Ischler Hall" ("Ischler light"), polished (pen 15 cm)



Slabs for outdoor facings, chiselled.



Typical pedestal stone - war memorial at Bad Ischl.