



BIMILLENARIA GARANZIA  
DI QUALITÀ E PRESTIGIO

# CAVA ROMANA SOCIETÀ PER AZIONI

PER L'INDUSTRIA DEI MARMI, PIETRE E GRANITI

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PARTITA IVA E  
COD. FISC.: N. 00046760328  
REG. IMPR. N. 00046760328  
R.E.A. TS N. 9704  
MEC. TS 002035

## AURISINA GRANITELLO

Place of extraction: AURISINA (Trieste) - Italy

Synonyms: Aurisina Galleria

### Macroscopic description

The "Aurisina granitello" is a compact limestone, mainly made up of perfectly classified fragments of organic material.

The basic colour is grey, as a result of the homogeneous distribution of organic fragments, which present tone ranges from white to dark grey, including all middle hues and shades. Organic materials, ranging from one millimetre to one decimillimetre in size, usually mono or bimodal grained, present a spacial distribution where sometimes a crossbedding with weak joint corners is detectable.

Cementation is very good, there are neither calcitic veins nor pockets; the very scarce stylolite plurimetric surfaces sometimes show granulometry variations. Bedding is faint and fracturing, usually with clear metric spacing, is evident.

Macroscopically the rock can be defined as a calcareous fine breccia of organogenic origin.

### Microscopic description

The ortochemical component is made up of a very scarce aphanite micritic interstitial mosaic.

The allochemical components, which make up nearly the whole of the rock, are represented by practically equidimensional organic fragments that can be assimilated to thick shell Lamellibranchs; moreover, planktonic Foraminifers, alga remains and sparse intraclasts can be found.

The rock can be defined as a bioclastite.

### Characteristics

The stone is homogeneous, compact, frost-proof, slightly absorbent, with high parameters of mechanical characterization, good wear and impact resistance and a low thermal linear expansion coefficient.

This product can be perfectly processed and has valuable chromatic effects which are enhanced by polishing.

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RIATTIVATA NEL 1845 - CAPITALE € 130.000,00 INT. VERSATO - EXPORT BLOCCHI - LASTRE E LAVORATI - SEDE E STABILIMENTO AURISINA - TRIESTE  
ESTRAZIONE TIPICA PIETRE DI TRIESTE E DEL CARSO NELLA VARIETÀ: ROMAN STONE - AURISINA GRANITELLO -  
AURISINA FIORITA - REPEN CLASSICO ZOLLA - REPEN CLASSICO CHIARO - FIOR DI MARE

Per qualsiasi controversia deve intendersi competente il Foro di Trieste

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It is suitable, considering its good durability, for any exterior and interior application: paving, facing, staircases, fittings, ornamental works, borderstones, etc.

## Chemical, physical and mechanical properties

a) Calcium carbonate:	99.41%
b) Magnesium carbonate:	0.41%
c) Iron carbonate:	/
d) Weight per unit of volume:	2624 kg/m <sup>3</sup>
e) Imbibition coefficient:	12 ‰
f) Compression breaking load:	
- in natural condition:	1537 kg/cm <sup>2</sup>
- after freezing cycles:	1501 kg/cm <sup>2</sup>
g) Tensile strength:	140 kg/cm <sup>2</sup>
h) Impact resistance	35 cm
i) Wear resistance	1.70/3.35 mm
l) Thermal linear expansion coefficient:	0.0037 mm/ml/°C

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