



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 CHIARA

Place of extraction: AURISINA (Trieste) - Italy

Macroscopic description

The "Aurisina Chiara" is a compact limestone with a large fraction of small organic fragments immersed in a microcrystalline cementing calcareous back-ground mass.

The basic colour is light grey, with a sparse "profusions" of major dark grey and minor white fragments.

Fossil remains generally millimetric and submillimetric, often elongated, are quite evenly distributed.

Cementation is very good, with no calcitic veins and no pockets; the sparse stylolite surfaces sometimes show vertical variations of facies.

Bedding is faint, with plurimetric spacing similar to that of fracturing.

Macroscopically this rock can be defined as a *calcareous fine grain breccia of organogenic origin*.

Microscopic description

The ortochemical component is made up of a micritic background mosaic, where a large bioclastic fraction and mainly micritic sparse intraclasts are present as allochemical components.

Organic materials have different size and can be assimilated to fragments of thick shell Lamellibranchs, among which Rudistans and, less frequently, Bryozoans and Ostracods can be found.

The rock can be classified as a *biomicrite*.

Characteristics

The rock is homogeneous, compact, fine grained, frostproof, slightly absorbent, with high mechanical characterization parameters, a good wear and impact resistance and low thermal expansion coefficient.

This marble can be perfectly processed and highly polished.

It is suitable for any exterior or interior use, considering its excellent durability: i.e. for paving, facing, staircases, fittings, decorative works, borderstones and so on.

Considering its fine grain, it is also suitable for sculpture.

RIATTIVATA NEL 1845 - CAPITALE € 130.000,00 INT. VERSATO - EXPORT BECCHI - 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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Chemical, physical and mechanical properties

a) Calcium carbonate:	99.51%
b) Magnesium carbonate:	0.41%
c) Iron carbonate:	0.08%
d) Weight per unit of volume:	2630 kg/m ³
e) Imbibition coefficient:	11,8 ‰
f) Compression breaking load:	
- in natural condition:	1755 kg/cm ²
- after freezing cycles:	1745 kg/cm ²
g) Tensile strenght:	151 kg/cm ²
h) Impact resistance:	34 cm
i) Wear resistance:	1.76/3.37 mm
l) Thermal linear expansion coefficient:	0.0043 mm/ml/°C

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