



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

REPEN CLASSICO

Place of extraction: MONRUPINO (Trieste) - Italy

Heteropic varieties: Repen Classico Zolla, Repen Classico Chiaro

Macroscopic description

The "Repen classico" is a very compact limestone made up of elongated fragments of organic material (usually about 1 centimetre long), immersed in a cryptocrystalline cementing carbonatic background mass.

The basic colour is grey, enlivened by the presence of small dark grey to light grey strips, depending on organic fragments. The organic fraction sometimes develops especially in large bands varying in thickness, which, however, do not alter the substantially chromatic homogeneity of the rock.

Cementation is very good; there are no pockets, calcitic veins, stylolite surfaces, or synsedimentary discontinuities. Bedding is evident and distinct, and the spacing is metric to plurimetric; fracturing has a metric spacing with evident discontinuity surfaces.

Macroscopically the rock can be defined as a fossiliferous limestone.

Microscopic description

The ortochemical component is made up of a micritic aphanite background mosaic with very scarce sparry-calcite recrystallization zones.

The allochemical components are made up of fragments of Lamellibranchs, often deeply worn at the edges, Foraminifers, remains of Echinoids and alga intraclasts, a very low non-carbonatic fraction made up of sharp-edged and scarce granules, very scarce glauconite and iron oxides.

Microscopically the rock can be defined as a bio and intraclastic biomicrite.

Characteristics

The stone is homogeneous, very compact, frost-proof, with minimal absorption, very high mechanical characterization parameters and a good wear and impact resistance.

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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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The material can be perfectly processed and attains valuable chromatic effects by polishing. This marble, considering its excellent durability, is suitable for any interior and exterior use. Since the imbibition coefficient is extremely low, the stone, in exterior applications, is almost completely free from soiling inconveniences due to humidity and smoke absorption as well as from discoloration.

For the same reasons it is particularly suitable for use in environments where there are problems originating from hot water, vapour, detergent, etc.

Chemical, physical and mechanical properties

a) Calcium carbonate:	97.79%
b) Magnesium carbonate:	1.71%
c) Iron carbonate:	0.04%
d) Weight per unit of volume:	2681 kg/mc
e) Imbibition coefficient:	2,5 ‰
f) Compression breaking load:	
- in natural condition:	1890 kg/cm ²
- after freezing cycles:	1800 kg/cm ²
g) Tensile strength:	170 kg/cm ²
h) Impact resistance:	39 cm
i) Wear resistance:	1.57/2.79 mm
l) Thermal linear expansion coefficient:	0.0042 mm/ml/°C

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