INSULA STONES TRADING

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Texture

CATALOGUE CERAMIC & PIETRE

STATUARIETTO

Weight per unit of volume	2730 / 2760 kg/m³
Compressive strength after freezing	1315 / 1350 kg/cm²
Bending strength	205 / 220 kg/cm²
Coef. Thermal expansion	0,0066 mm/m°C
Water absorption (by weight)	0,10 / 0,12%
Abrasion resistance	0,60 mm

* VERIFICARE DISPONIBILITA' A LISTINO

STATUARIO VENATO

Weight per unit of volume	2730 / 2760 kg/m³
Compressive strength after freezing	1315 / 1350 kg/cm²
Bending strength	205 / 220 kg/cm²
Coef. Thermal expansion	0,0066 mm/m°C
Water absorption (by weight)	0,10 / 0,12%
Abrasion resistance	0,60 mm

* VERIFICARE DISPONIBILITA' A LISTINO

CALACATTA MACCHIA VECCHIA

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress

Thermic linear dilatation

Water absorption coefficient

Impact strength
Module of linear elasticity
Abrasion strength
Origin

2704 kg/m³
1602 kg/cm²
1472 kg/cm²
142 kg/cm²

8,9 (10-6 per °C)

0.11%

30 cm
774000 kg/cm²
6,96 mm
Italy

CALACATTA CREMO DELICATO

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress

Thermic linear dilatation

Water absorption coefficient

Impact strength
Module of linear elasticity
Abrasion strength
Origin

2704 kg/m³
1602 kg/cm²
1472 kg/cm²
142 kg/cm²

8,9 (10-6 per °C)

0.11%

30 cm
774000 kg/cm²
6,96 mm
Italy

CALACATTA GOLD

Weight per unit volume	2704 kg/m³
Ultimate tensile strength to pressure stress	1602 kg/cm²
Ultimate tensile strength after freezing cycles	1472 kg/cm²
Ultimate tensile strength to bending stress	142 kg/cm²
Thermic linear dilatation	8,9 (10-6 per °C)
Water absorption coefficient	0.11%
Impact strength	30 cm
Module of linear elasticity	774000 kg/cm²
Abrasion strength	6,96 mm
Origin	Italy

CALACATTA BORGHINI

Weight per unit volume	2704 kg/m³
Ultimate tensile strength to pressure stress	1602 kg/cm²
Ultimate tensile strength after freezing cycles	1472 kg/cm²
Ultimate tensile strength to bending stress	142 kg/cm²
Thermic linear dilatation	8,9 (10-6 per °C)
Water absorption coefficient	0.11%
Impact strength	30 cm
Module of linear elasticity	774000 kg/cm²
Abrasion strength	6,96 mm
Origin	Italy

CALACATTA VAGLI

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress
Thermic linear dilatation
Water absorption coefficient
Impact strength
Module of linear elasticity
Abrasion strength
Origin

2704 kg/m³
1602 kg/cm²
1472 kg/cm²
142 kg/cm²
8,9 (10-6 per °C)
0.11%
30 cm
774000 kg/cm²
6,96 mm
Italy

CALACATTA MANHATTAN

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress
Thermic linear dilatation
Water absorption coefficient
Impact strength
Module of linear elasticity
Abrasion strength
Origin

2704 kg/m³
1602 kg/cm²
1472 kg/cm²
142 kg/cm²
8,9 (10-6 per °C)
0.11%
30 cm
774000 kg/cm²
6,96 mm
Italy

WHITE CARRARA

Specific density
Compression tensile strength
Tensile strength after freez-thaw cycles
Unitary modulus of bending tensile strength
Heat expansion coefficient
Water imbibition coefficient
Impact strength
Frictional wear
Origin

2680 kg/m³
1426 kg/cm²
1338 kg/cm²
192 kg/cm²
0.0052mm/m°C
0.002400
82 cm
3.64 mm
Italy

WHITE CARRARA CD

Specific density
Compression tensile strength
Tensile strength after freez-thaw cycles
Unitary modulus of bending tensile strength
Heat expansion coefficient
Water imbibition coefficient
Impact strength
Frictional wear
Origin

2680 kg/m³
1426 kg/cm²
1338 kg/cm²
192 kg/cm²
0.0052mm/m°C
0.002400
82 cm
3.64 mm
Italy

WHITE
CARRARA
GIOIA

Specific density
Compression tensile strength
Tensile strength after freez-thaw cycles
Unitary modulus of bending tensile strength
Heat expansion coefficient
Water imbibition coefficient
Impact strength
Frictional wear
Origin

2680 kg/m³
1426 kg/cm²
1338 kg/cm²
192 kg/cm²
0.0052mm/m°C
0.002400
82 cm
3.64 mm
Italy

WHITE
BIANCO P

Specific density
Compression tensile strength
Tensile strength after freez-thaw cycles
Unitary modulus of bending tensile strength
Heat expansion coefficient
Water imbibition coefficient
Impact strength
Frictional wear
Origin

2680 kg/m³
1426 kg/cm²
1338 kg/cm²
192 kg/cm²
0.0052mm/m°C
0.002400
82 cm
3.64 mm
Italy

WHITE RHINO

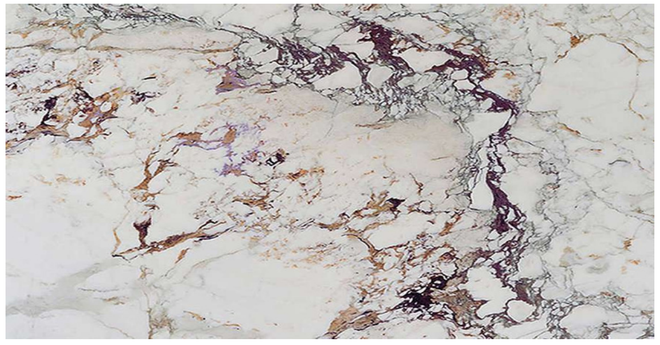
Massa Volumica apparente *Bulk specific gravity*	2876 kg/ m³
Coefficiente di assorbimento *Absorption Coefficient*	0,06 %
Resistenza a compressione *Compressive strength*	**In stato secco** / *In dry state* 159 MPa **In stato umido** / *in wet state* 153 MPa
Resistenza a flessione *Flexural strength*	**In stato secco** / *In dry state* 5,8 MPa **In stato umido** / *in wet state* 4,5 MPa
Porosità *Porosity*	0,20 %
Coefficiente di abrasione *Abrasion resistance*	5,70 mm

WHITE CARRARA MICHELANGELO

Apparent volume mass
Water absorption
Flexural strength
Modulus of rupture
Compressive strength
Origin

2674 kg/m³
0.108%
13.0 MPa
14.0 MPa
94.02 MPa
Italy

BRECCIA CAPRAIA

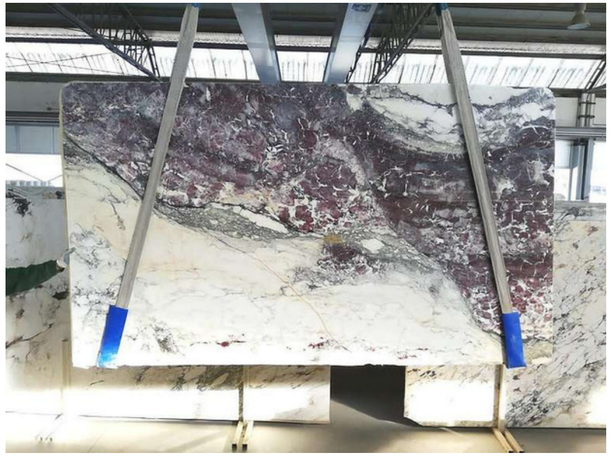


COMPRESSIVE STRENGTH

1126 kg/cm2

TENSILE STRENGTH

101 kg/cm2



WATER ABSORPTION

0.15%

BULK DENSITY

2685 kg/m3

BARDIGLIO NUVOLATO

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress

Thermic linear dilatation

Water absorption coefficient

Impact strength
Module of linear elasticity
Abrasion strength
Origin

2704 kg/m³
1602 kg/cm²
1472 kg/cm²
142 kg/cm²

8,9 (10-6 per °C)

0.11%

30 cm
774000 kg/cm²
6,96 mm
Italy

BARDIGLIO 45

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress
Thermic linear dilatation
Water absorption coefficient
Impact strength
Module of linear elasticity
Abrasion strength
Origin

2704 kg/m³
1602 kg/cm²
1472 kg/cm²
142 kg/cm²
8,9 (10-6 per °C)
0.11%
30 cm
774000 kg/cm²
6,96 mm
Italy

GRAND ANTIQUE

Specific density
Water absorption
Modulus of Rupture, dry conditioning
Modulus of Rupture, wet conditioning
Compressive strength, dry conditioning
Compressive strength, wet conditioning
Flexural strength, dry conditioning
Flexural strength, wet conditioning
Abrasion resistance, dry conditioning
Origin

2751.18
kg/m³ 0.37%
13.41 MPa
13.45 MPa
185.76 MPa
197.49 MPa
7.76 Mpa
7.74 MPa
44.34 Ha
France

VERDE ALPI

Specific density	2682 kg/m³
Flexural strength	217 kg/cm²
Compression breaking load	2040 kg/cm²
Compressive breaking load after freezing Imbibition module (of weight)	1860 kg/cm²
Impact test, minimum fall height	5.97
Thermal linear expansion module	45 cm
Frictional wear test	mm./ml./°C 0,0069
Normal elasticity module	mm.2,60
Origin	611,080 kg/cm²
	Italy

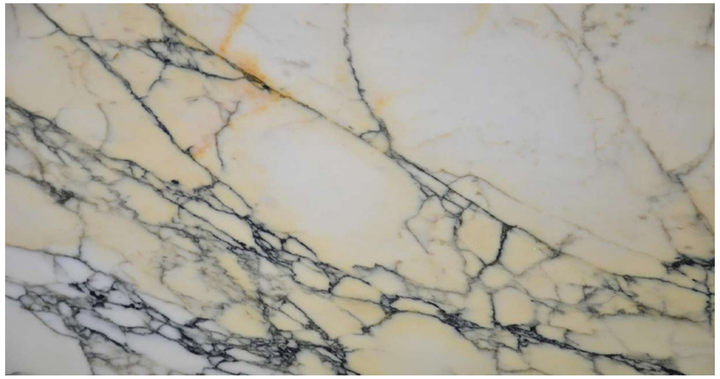
DAINO REALE

Color	beige
Origin	Italy
Compressive strength (kg/cm²)	2048
After freezing (kg/cm²)	1454
Ultimate tensile strength (kg/cm²)	152
Coefficient of thermal expansion (mm/mcm°C)	0,0039
Water absorption (%)	0,4
Impact test/min. fall height (cm)	34
Frictional Wear Test (mm)	0
Density (kg/cm³)	2620

CREMA MARFIL

Apparent density (EN 1936)	2670 kg/m³
Open porosity (EN 1936)	0.9%
Flexural strength (EN 12372)	11.2 MPa
Decrease of flexural strength after frost-taw cycles 12371) Water absorption (EN 13755)	11
Abrasion resistance (EN 14157)	0.34%
Slip resistance, polished surface (EN 14231)	19.5 mm
Slip resistance, honed surface (EN 14231)	10 RSV
Fire resistance (commission decision 96/603/EC)	15 RSV
Origin	A1
	Spain

PAONAZZETTO



Weight per unit volume	2704 kg/m³
Ultimate tensile strength to pressure stress	1602 kg/cm²
Ultimate tensile strength after freezing cycles	1472 kg/cm²
Ultimate tensile strength to bending stress	142 kg/cm²
Thermic linear dilatation	8,9 (10-6 per °C)
Water absorption coefficient	0.11%
Impact strength	30 cm
Module of linear elasticity	774000 kg/cm²
Abrasion strength	6,96 mm
Origin	Italy

MASERAT I GREY

Apparent volume mass (EN 1936)	2672.74
Water absorption (EN 13755)	kg/m³ 0.08%
Flexural strength, dry conditioning (EN 12372)	7.77 MPa
Flexural strength, after freeze/thaw cycles (EN 12372)	6.15 MPa
Compressive strength, dry conditioning (EN 1926)	79.49 MPa
Compressive strenght, after freeze/thaw cycles (EN 1926),	78.04 MPa
Braking energy (EN 14158)	11.6 joule
Origin	Italy

PIETRA PIASENTINA

Apparent volume mass (EN 1936)	2672.74
Water absorption (EN 13755)	kg/m³ 0.08%
Flexural strength, dry conditioning (EN 12372)	7.77 MPa
Flexural strength, after freeze/thaw cycles (EN 12372)	6.15 MPa
Compressive strength, dry conditioning (EN 1926)	79.49 MPa
Compressive strenght, after freeze/thaw cycles (EN 1926),	78.04 MPa
Braking energy (EN 14158)	11.6 joule
Origin	Italy

ARABESCATO VAGLI

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress
Thermic linear dilatation
Water absorption coefficient
Impact strength
Module of linear elasticity
Abrasion strength
Origin

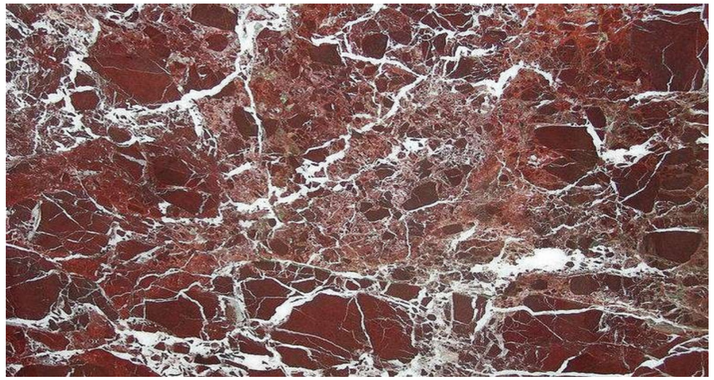
2684 kg/m³
1462 kg/cm²
1260 kg/cm²
75 kg/cm²
9,4 (10-6 per °C)
0.23%
40 cm
406000 kg/cm²
8,14 mm
Italy

ARABESCATO CORCHIA

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress
Thermic linear dilatation
Water absorption coefficient
Impact strength
Module of linear elasticity
Abrasion strength
Origin

2684 kg/m³
1462 kg/cm²
1260 kg/cm²
75 kg/cm²
9,4 (10-6 per °C)
0.23%
40 cm
406000 kg/cm²
8,14 mm
Italy

ROSSO LEVANTO



Apparent volume mass (EN 1936)

Water absorption (EN 13755)

Flexural strength, dry conditioning (EN 12372)

Flexural strength, after freeze/thaw cycles (EN 12372)

Compressive strength, dry conditioning (EN 1926)

Compressive strenght, after freeze/thaw cycles (EN 1926),

Braking energy (EN 14158)

Origin

2672.74

kg/m³ 0.08%

7.77 MPa

6.15 MPa

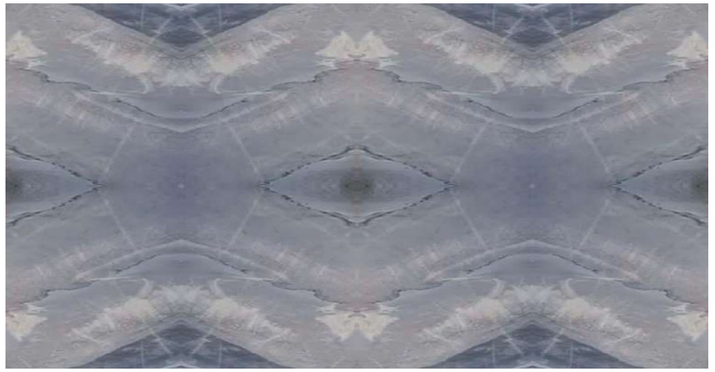
79.49 MPa

78.04 MPa

11.6 joule

Italy

BLUE DESTINY



Apparent volume mass (EN 1936)

Water absorption (EN 13755)

Flexural strength, dry conditioning (EN 12372)

Flexural strength, after freeze/thaw cycles (EN 12372)

Compressive strength, dry conditioning (EN 1926)

Compressive strenght, after freeze/thaw cycles (EN 1926),

Braking energy (EN 14158)

Origin

2672.74

kg/m³ 0.08%

7.77 MPa

6.15 MPa

79.49 MPa

78.04 MPa

11.6 joule

Italy

GIALLO SIENA

Apparent density (EN 1936-07)
Water absorption (EN 13755-08)
Open porosity (EN 1936-07)
Flexural strength, natural condition (EN 12372-07)
Flexural strength, after frost cycles (EN 12372-07)
Compressive strength (EN 1926-07)
Slip resistance, honed surface, (EN 14231-04)
Origin

2710 kg/m³
0,12 %
0,30 %
21,2 MPa
20,1 MPa
89,4 MPa
43 USRY (dry)
16 USRY (wet)
Italy

ERAMOSA

Apparent volume mass (EN 1936)
Water absorption (EN 13755)
Flexural strength, dry conditioning (EN 12372)
Flexural strength, after freeze/thaw cycles (EN 12372)
Compressive strength, dry conditioning (EN 1926)
Compressive strenght, after freeze/thaw cycles (EN 1926),
Braking energy (EN 14158)
Origin

2672.74
kg/m³ 0.08%
7.77 MPa
6.15 MPa
79.49 MPa
78.04 MPa
11.6 joule
Italy

BOTTICINO CLASSIC

Apparent density
Imbibition coefficient
Compressive strength
Flexural strength
Micro hardness
Impact resistance
Wear resistance (coefficient relating to abrasion)
Resistance to freezing (compression after freezing)
Origin

2693 kg/m³
0.10%
189 MPa
11.3 Mpa
2050 Mpa
37 cm
0.80
183 Mpa
Italia

BOTTICINO SEMI CLASSIC

Apparent density
Imbibition coefficient
Compressive strength
Flexural strength
Micro hardness
Impact resistance
Wear resistance (coefficient relating to abrasion)
Resistance to freezing (compression after freezing)
Origin

2693 kg/m³
0.10%
189 MPa
11.3 Mpa
2050 Mpa
37 cm
0.80
183 Mpa
Italia

BOTTICINO FIORITO

Apparent density
Imbibition coefficient
Compressive strength
Flexural strength
Micro hardness
Impact resistance
Wear resistance (coefficient relating to abrasion)
Resistance to freezing (compression after freezing)
Origin

2693 kg/m³
0.10%
189 MPa
11.3 Mpa
2050 Mpa
37 cm
0.80
183 Mpa
Italia

TRAVERTIN O ASCOLI

Bending strength

Resistance to freezing and bending after 48 cycles
Compressive strength

Resistance to freezing and compressive after 48 cycles
Water absorption at atmospheric pressure

Apparent volume mass

Abrasion resistance

Slip-proofing (polished surface finish)

10,1

MPa 9,6 *Non freezeable material*

MPa
42 MPa

41 MPa

0,6 %

2491 Kg/m3

21,3 mm

26 URSV

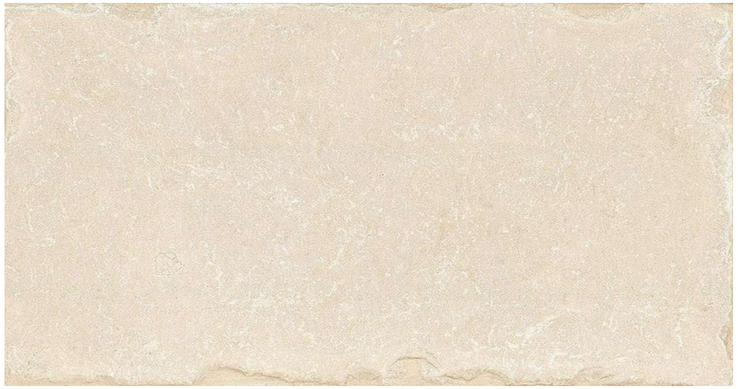
TRAVERTINO ROMANO

Bending strength	10,1
Resistance to freezing and bending after 48 cycles	MPa
Compressive strength	9,6
Resistance to freezing and compressive after 48 cycles	*Non freezeable material*
Water absorption at atmospheric pressure	MPa
Apparent volume mass	42 MPa
Abrasion resistance	41 MPa
Slip-proofing (polished surface finish)	0,6 %
	2491 Kg/m3
	21,3 mm
	26 URSV

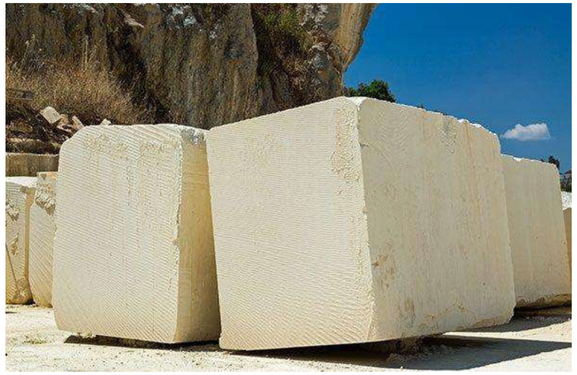
ZEBRINO

Apparent volume mass (EN 1936)	2672.74
Water absorption (EN 13755)	kg/m³ 0.08%
Flexural strength, dry conditioning (EN 12372)	7.77 MPa
Flexural strength, after freeze/thaw cycles (EN 12372)	6.15 MPa
Compressive strength, dry conditioning (EN 1926)	79.49 MPa
Compressive strenght, after freeze/thaw cycles (EN 1926),	78.04 MPa
Braking energy (EN 14158)	11.6 joule
Origin	Italy

PIETRA BEIGE FPS



Apparent volume mass (EN 1936)	1730
Water absorption (EN 13755)	kg/m³
Flexural strength, dry conditioning (EN 12372)	0.08%
Flexural strength, after freeze/thaw cycles (EN 12372)	4.7 MPa
Compressive strength, dry conditioning (EN 1926)	16 MPa
Compressive strenght, after freeze/thaw cycles (EN 1926),	9243 MPa
Braking energy (EN 14158)	20.4 MPa
Origin	1.99 joule
	Italy



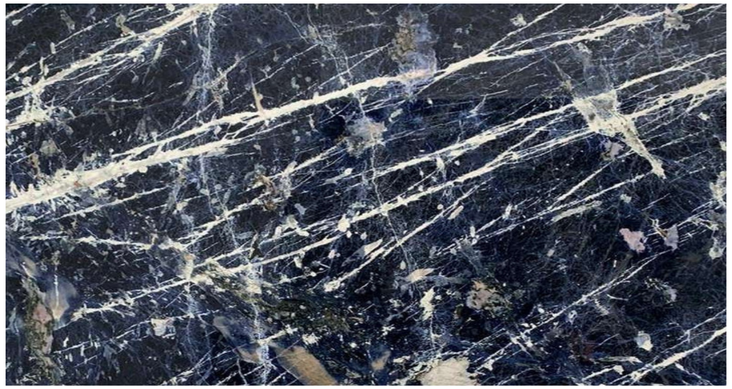
CALACATTA VIVALDI

Weight per unit of volume	2730 / 2760 kg/m³
Compressive strength after freezing	1315 / 1350 kg/cm²
Bending strength	205 / 220 kg/cm²
Coef. Thermal expansion	0,0066 mm/m°C
Water absorption (by weight)	0,10 / 0,12%
Abrasion resistance	0,60 mm

CALACATTA CYRSTAL

Weight per unit of volume	2730 / 2760 kg/m³
Compressive strength after freezing	1315 / 1350 kg/cm²
Bending strength	205 / 220 kg/cm²
Coef. Thermal expansion	0,0066 mm/m°C
Water absorption (by weight)	0,10 / 0,12%
Abrasion resistance	0,60 mm

SODALITE BLUE



Apparent volume mass (EN 1936)	2650
Water absorption (EN 13755)	kg/m³
Flexural strength, dry conditioning (EN 12372)	0.40%
Flexural strength, after freeze/thaw cycles (EN 12372)	16.2 MPa
Compressive strength, dry conditioning (EN 1926)	- MPa
Compressive strenght, after freeze/thaw cycles (EN 1926),	179.8 MPa
Braking energy (EN 14158)	- MPa
Origin	- joule
	Italy

FANTASTIC FREE

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress

Thermic linear dilatation

Water absorption coefficient

Impact strength
Module of linear elasticity
Abrasion strength
Origin

2704 kg/m³
1602 kg/cm²
1472 kg/cm²
142 kg/cm²

8,9 (10-6 per °C)

0.11%

30 cm
774000 kg/cm²
6,96 mm
Italy

GREY TRAMBISERRA

Weight per unit volume
Ultimate tensile strength to pressure stress
Ultimate tensile strength after freezing cycles
Ultimate tensile strength to bending stress

Thermic linear dilatation

Water absorption coefficient

Impact strength
Module of linear elasticity
Abrasion strength
Origin

2704 kg/m³
1602 kg/cm²
1472 kg/cm²
142 kg/cm²

8,9 (10-6 per °C)

0.11%

30 cm
774000 kg/cm²
6,96 mm
Italy

Insula Stones Tading

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