



dimpomar
ROCHAS PORTUGUESAS, LDA.



ATAÍJA BLUE
(grey limestone)

GENERAL INFO

Material Type:	Limestone
Country of Origin:	PORTUGAL
Other Names:	
Petrographic Description:	N/A
Macroscopic Description:	N/A

PHISICAL-MECHANICAL PROPERTIES

Compression Breaking Load:	1650 Kg/cm ²
Compression B.L. after Freezing Test:	1570 Kg/cm ²
Bending Strength:	105 Kg/cm ²
Volumetric Weigth:	2680 Kg/m ³
Water Absorption:	0,4 %
Apparent Porosity:	0,9 %
Thermal Linear Expansion Coefficient:	3,9 10 ⁶ per °C
Abrasion Test:	2,6 mm
Impact Test:	35 cm
Freeze-Defreeze cycles (no alteration after):	96 cycles

MICROSCOPIC PROPERTIES

Calcite:	~ 99 %	Quartz:	< 1 %
-----------------	--------	----------------	-------

CHEMICAL ANALYSIS

Al₂O₃:	0,88%
CaO:	54,31%
Fe₂O₃:	0,15%
K₂O:	0,07%
MgO:	0,26%
Na₂O:	0,02%
P.R.:	42,95%
SiO₂:	1,05%
CO₂:	42,90%