



dimpomar

ROCHAS PORTUGUESAS, LDA.

BLUE VALLEY

(blueish-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:	1500 Kg/cm ²
Compression B.L. after Freezing Test:	1500 Kg/cm ²
Bending Strength:	150 Kg/cm ²
Volumetric Weigth:	2640 Kg/m ³
Water Absorption:	0,5 %
Apparent Porosity:	1,2 %
Thermal Linear Expansion Coefficient:	3,1 10 ⁻⁶ per °C
Abrasion Test:	2,6 mm
Impact Test:	40 cm
Freeze-Defreeze cycles (no alteration after):	48 cycles

MICROSCOPIC PROPERTIES

Calcite:	~93 %	Dolomite:	~3 %	Quartz, others:	~4 %
----------	-------	-----------	------	-----------------	------

CHEMICAL ANALYSIS

Al ₂ O ₃ :	0,87%
CaO:	51,42%
Fe ₂ O ₃ :	0,60%
K ₂ O:	0,16%
MgO:	1,31%
MnO:	< 0,05%
Na ₂ O:	0,18%
P.R.:	42,53%
SiO ₂ :	1,78%
SO ₃ :	0,87%