

# ARDESIA MANGINI ANGELA & DONATELLA S.N.C.

ARDESIA DI 1ª QUALITÀ - CAVE PROPRIE - TOP QUALITY ITALIAN SLATE - OWN QUARRIES

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## LIMESTONE "PERGAMENA"



Name of reference : **Limestone Pergamena**

Place of origin: **Bulgaria**

Products: **Slabs, Tiles, Blocks, Stairs, External and Internal Covering**

1	Laboratori number		N°	3669
2	Sample number		N°	1
3	Bulk Density	$\rho$	g/cm <sup>3</sup>	2.26
4	Specific density	$P_s$	g/cm <sup>3</sup>	2,71
5	Pore volume	$n$	%	16.61
6	Pore ratio	$\Sigma$	-	0.199
7	Compressive strength in air dry state	$R_c^d$	X 10	872.0
8	Water absorption capacity	$W$	%	4.42
9	Compressive strength in water-saturate state	$R_c^s$	Pa X 10	805.0
10	Compressive strength after 25-fold freezing	$R_c^f$	Pa X 10	787.3
11	Frost-resistance factor	$R_{fr}$	-	0.90
12	Mass loss after 25-fold freezing		%	0.02
13	Wear and tear by Deval		%	5.00
14	Macroscopic description			<i>limestone</i>

### COMPLETE SILICATE ANALYSIS RESULT

Lab N°	Sample N°	Al <sub>2</sub> O <sub>3</sub> %	CaO %	Fe <sub>2</sub> O <sub>3</sub>	K <sub>2</sub> O %	MgO %	MnO %	Na <sub>2</sub> O %	P <sub>2</sub> O <sub>5</sub> %	SiO <sub>2</sub> %	TiO <sub>2</sub> %	ZPN %
36691	1	0.31	46.06	0.24	0.12	0.29	<0.01	0.33	0.02	19.27	0.02	32.77

