

TEST REPORT N° 0310/2014-A

Results of the physical and mechanical testing commenced on the 18/02/2014 of natural stone samples received on the 06/02/2014.

Customer : MORELLI MARMI – Rome –

DECLARED DETAILS

Geological name : TRAVERTINO ROMANO CLASSICO
Origin : Loc. "Le Fosse" – Guidonia M. - (Rome) Italy

TEST METHODS AND RESULTS
Apparent density and open porosity (UNI EN 1936)

Sample	N°	1	2	3	4	5	6	Mean
Apparent density	(kg/m ³)	2462	2471	2520	2453	2480	2528	2486
Real density	(kg/m ³)	2760	2727	2686	2733	2739	2712	2726
Open porosity	(%)	2.23	2.84	2.24	3.15	2.03	1.66	2.36

Water absorption (UNI EN 13755) Sample dimensions 70x70x70 mm

Sample	N°	1	2	3	4	5	6	Mean
Water absorption	(%)	0.90	1.15	0.89	1.28	0.82	0.66	0.95

Water absorption capillarity (UNI EN 1925) Sample dimensions 70x70x70 mm

Provino	n°	1	2 (*)	3	4	5	6 (*)	Media
Assorbimento	(g/m ² · s ^{0.5})	3.90	1.65	5.17	3.40	3.15	1.90	3.19

(*) direction parallel to the rising water level of anisotropy

Hygrometric properties (tabulated values UNI EN 12524)

Design Thermal conductivity	Resistance factor to water vapor	
	dry condition	moist condition
2.20 W/(m·K)	μ 250	μ 200

Abrasion resistance (UNI EN 1341-14157) Sample dimensions 130x100x30 mm

Sample	N°	1	2	3	4	5	6	Mean
Scratch length	(mm)	22	22	23	25	25	24	24

Slip resistance on wet surface (UNI EN 1341-14231) Sample dimensions 150x100x30 mm

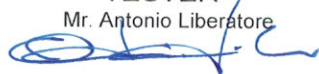
Sample	N°	1	2	3	4	5	Mean (USRV)
Mean slip resistance, single sample		50	60	63	60	66	60

Slip resistance on a dry surface (UNI EN 14231) Sample dimensions 150x100x30 mm

Sample	N°	1	2	3	4	5	Mean
Mean slip resistance, single sample		48	50	55	55	59	53

TESTER

Mr. Antonio Liberatore



MANAGEMENT

Mr. Fabrizio Oliveri



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