

TEST REPORT N° 0130/2014-C

Guidonia M. 04/03/2014

Results of the determination of the breaking load at dowel hole, started on 12/02/2014, on natural stone samples received on 06/02/2014.

Customer : MORELLI MARMI – Rome –

DECLARED DETAILS

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

TEST METHODS

The test was performed according to **UNI EN 13364**, on 200x200x30 mm samples.

TEST RESULTS

Sample	N°	1				2				3	
pin	N°	1	2	3	4	1	2	3	4	1	2
Ø pin / hole		6 mm (pin) – 10 mm (hole)									
surface finish		Flat, saw finished									
specimen thickness	mm	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
hole face distance in the direction of the force (d_1)	mm	11	12	10	10	11	10	10	10	10	10
center hole to edge fracture maximum distance (b_A)	mm	51	67	55	35	29	39	46	27	36	70
breaking load	KN	2.20	2.96	1.88	2.04	2.15	1.86	1.83	2.20	1.42	2.31
anisotropic plane (*)	type	I	I	I	I	I	I	I	I	I	I

Sample	N°	1		2		3		4		5	
pin	N°	1	2	1	2	1	2	1	2	1	2
Ø pin / hole		6 mm (pin) – 10 mm (hole)									
surface finish		Flat, saw finished									
specimen thickness	mm	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
hole face distance in the direction of the force (d_1)	mm	10	9	9	11	11	9	10	10	11	9
center hole to edge fracture maximum distance (b_A)	mm	34	37	33	50	51	35	23	39	26	27
breaking load	KN	2.20	2.96	1.88	2.04	2.15	1.86	1.83	2.20	1.42	2.31
anisotropic plane (*)	type	Ila	Ila	Ila	Ila	Ila	Ila	Ilb	Ilb	Ilb	Ilb

(*) (type 0) = compact;
(type Ila) = parallel to anisotropic planes;

(type I) = perpendicular to anisotropic planes;
(type Ilb) = parallel to the edges of the anisotropic planes

TESTER
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