

TEST REPORT nr. 0070/2014

Guidonia M. 29/01/2014

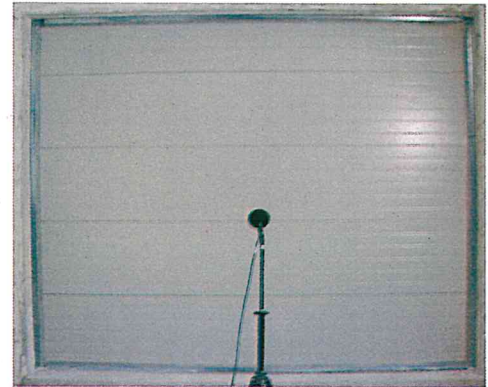
Result of sound insulation test performed, on 27/01/2014, to determine sound insulation power of panels sandwich, delivered to us on 27/01/2014.

Geometrical and structural characteristics of the test-piece are given in the attached description sheet that is an integral part of this test report and it was supplied by the Customer.

Customer : ITALPANNELLI S.r.l. - Ancarano - (TE)

DECLARED DATA

Product name : ITALDOOR 40
Dimensions (mm) : 610 (width) ; 40 (thickness)



MEASURING INSTRUMENTS

Measuring instruments of Bruel & Kjaer, conforming to IEC 804 on 651, were used.

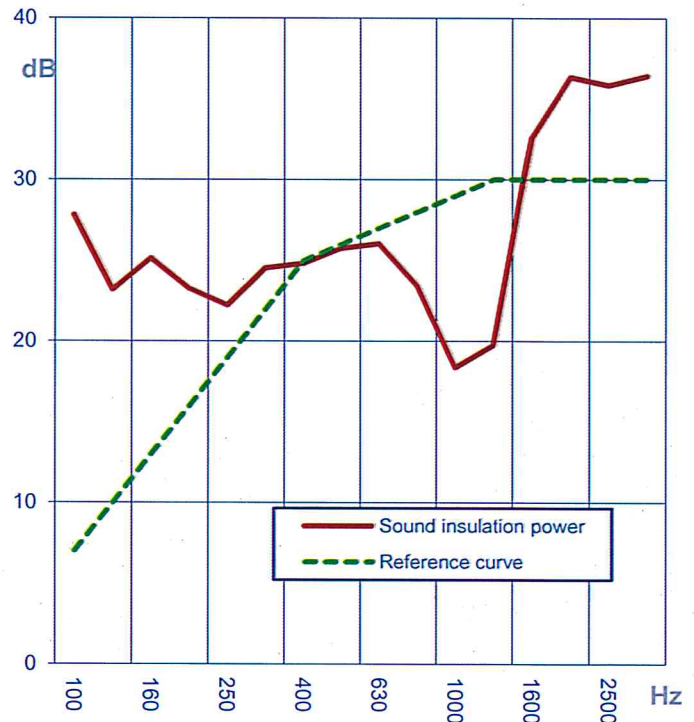
TEST METHOD

The wall, of dimensions 9,80 m², was built between two reverberation chambers; the source chamber, with a volume of 60,6 m³, and the receive chamber, with a volume of 69,2 m³; test was performed according to UNI EN ISO 140-3.

TEST RESULTS

f Hz	L1	L2	T2	Ri	CR
100	91,7	70,2	4,90	27,8	7,0
125	89,7	71,6	3,71	23,2	10,0
160	96,0	76,4	4,10	25,1	13,0
200	99,6	81,5	3,76	23,2	16,0
250	96,0	77,9	2,96	22,2	19,0
315	96,2	75,6	2,84	24,5	22,0
400	94,7	73,3	2,51	24,8	25,0
500	93,8	71,2	2,37	25,7	26,0
630	92,0	68,8	2,20	26,0	27,0
800	88,9	67,2	1,71	23,4	28,0
1000	87,2	70,1	1,54	18,4	29,0
1250	88,0	69,1	1,40	19,8	30,0
1600	89,5	57,7	1,38	32,6	30,0
2000	89,2	53,8	1,43	36,3	30,0
2500	88,6	52,9	1,19	35,8	30,0
3150	88,5	51,9	1,10	36,4	30,0

Environmental conditions: 17 °C - 63 % R.H.



Rw (C;C_{tr}) = 26,0 (-2;-3) dB (500 Hz UNI EN ISO R 717-1)

TEST OPERATOR

Geom. Antonio Liberatore

DIRECTOR

Dott. Ing. Fabrizio Ofini

