

REPORT N. 106-2015-IAP rev.1

UNI EN ISO 10140-2:2010

LABORATORY MEASUREMENT OF SOUND INSULATION OF BUILDING ELEMENTS MEASUREMENT OF AIRBORNE SOUND INSULATION

Issue place and date: Cerea (VR), 09/28/2015

Committee: Chemolli S.a.s.

Committee address: via Fitta 1, 38062 Arco (TN)

Sample delivery date: 09/28/2015

Sample provenance: Committee

Sample installation date: 09/28/2015

Sample installed in laboratory by Committee (sampling made by the committee)

Test date: 09/28/2015

Test location: Z Lab S.r.l. – Via Pisa, 5/7 – 37053 Cerea (VR) – Italia

Sample denomination: Door X29

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LAB N° 1416

REDACT	VERIFIED	APPROVED
Antonio Scofano	Antonio Scofano	Antonio Scofano

Sound reduction index, R, according to UNI EN ISO 10140-2

Sample description:

Door X291

Specimen area:

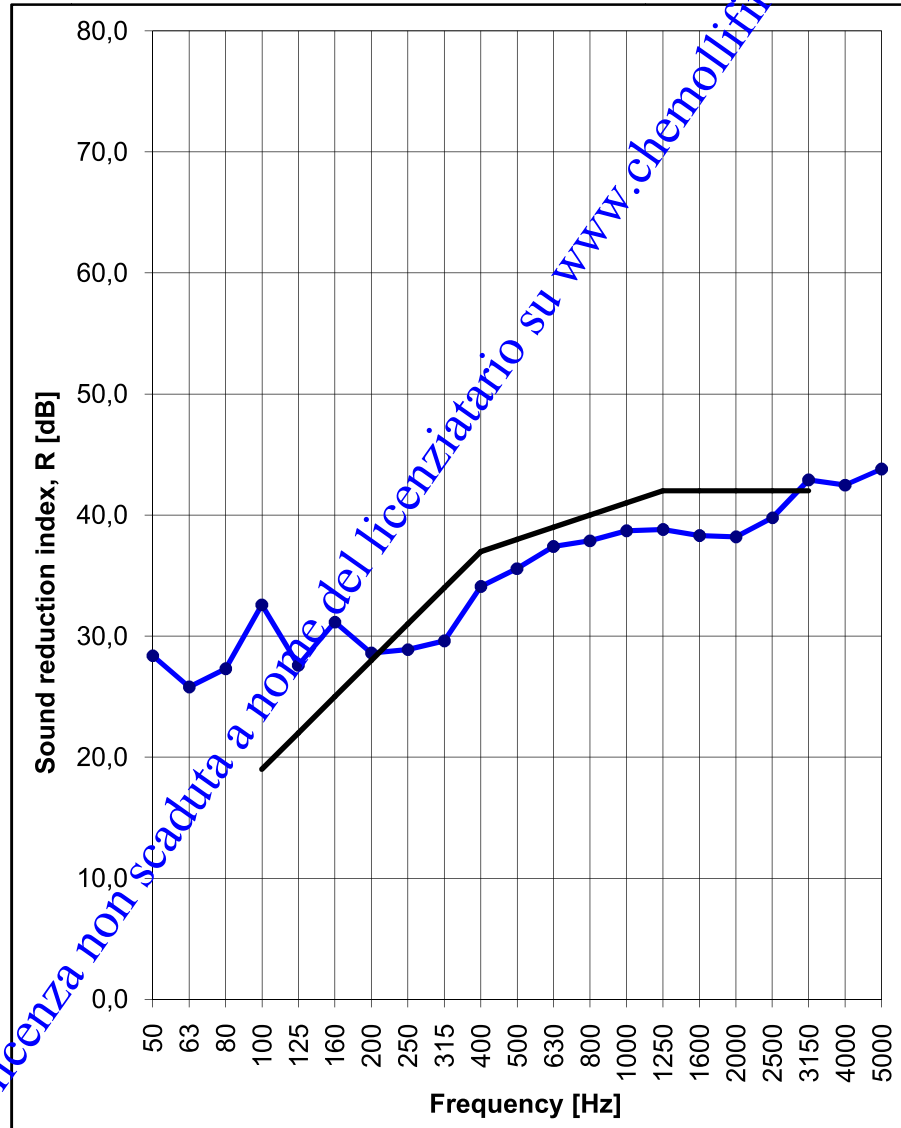
 2,28 m²

Rooms volume:

 Emitting 116,6 m³

 Receiving 162,9 m³

f	R
[Hz]	[dB]
50	28,4
63	25,8
80	27,3
100	32,6
125	27,6
160	31,2
200	28,6
250	28,9
315	29,6
400	34,1
500	35,6
630	37,4
800	37,9
1000	38,7
1250	38,8
1600	38,3
2000	38,2
2500	39,8
3150	42,9
4000	42,5
5000	43,8



Evaluation of conformity according to ISO 717-1

 $R_w(C;C_{tr}) = 38,1$ (C; -3) dB $C_{50-3150} = -1$ dB; $C_{50-5000} = 0$ dB; $C_{100-5000} = 0$ dB

Evaluation based on laboratory measurement results by means of a technical method.

 $C_{tr,50-3150} = -3$ dB; $C_{tr,50-5000} = -3$ dB; $C_{tr,100-5000} = -3$ dB

Laboratory Manager Ing. Antonio Scofano



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