Z Lab Srl

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REPORT N. 182-2017-IAP

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), 04/07/2017

Committee: Chemolli S.a.s.

Committee address: Via Fitta n°1, 38062 Arco (TN)

Sample delivery date: 09/06/2017

Sample provenance: Chemolli S.a.s.

Sample installation date: 12/06/2017

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

Test date: 12/06/2017

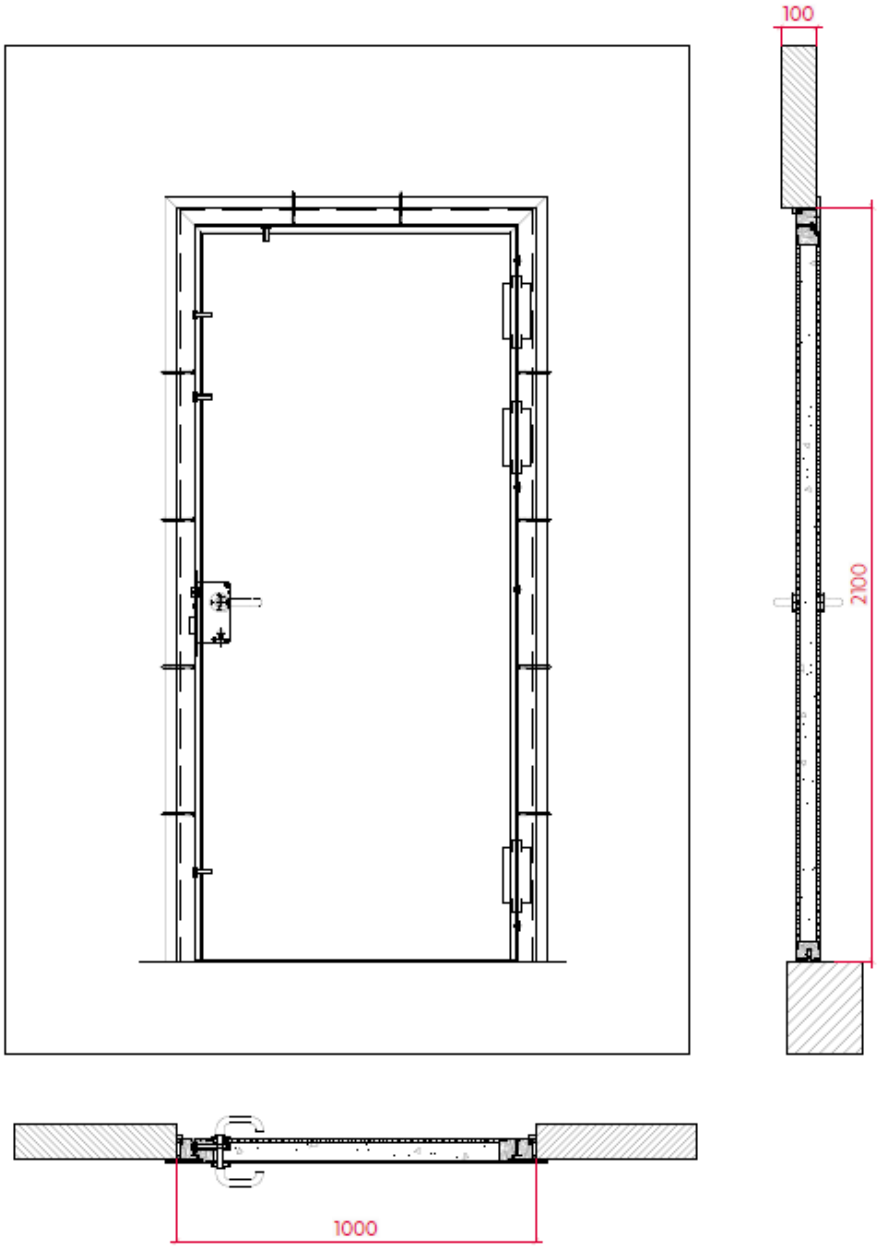
Test location: Z Lab S.r.l. – Via Pisa, 5/7 – 37053 Cerea (VR) – Italia

Sample denomination: The test specimen is named :

" Wooden Leaf Door : X 402 "

LAB N° 1416

PREPARED	VERIFIED	APPROVED
Martina Ferrari	Antonio Scofano	Antonio Scofano



LAB N° 1416

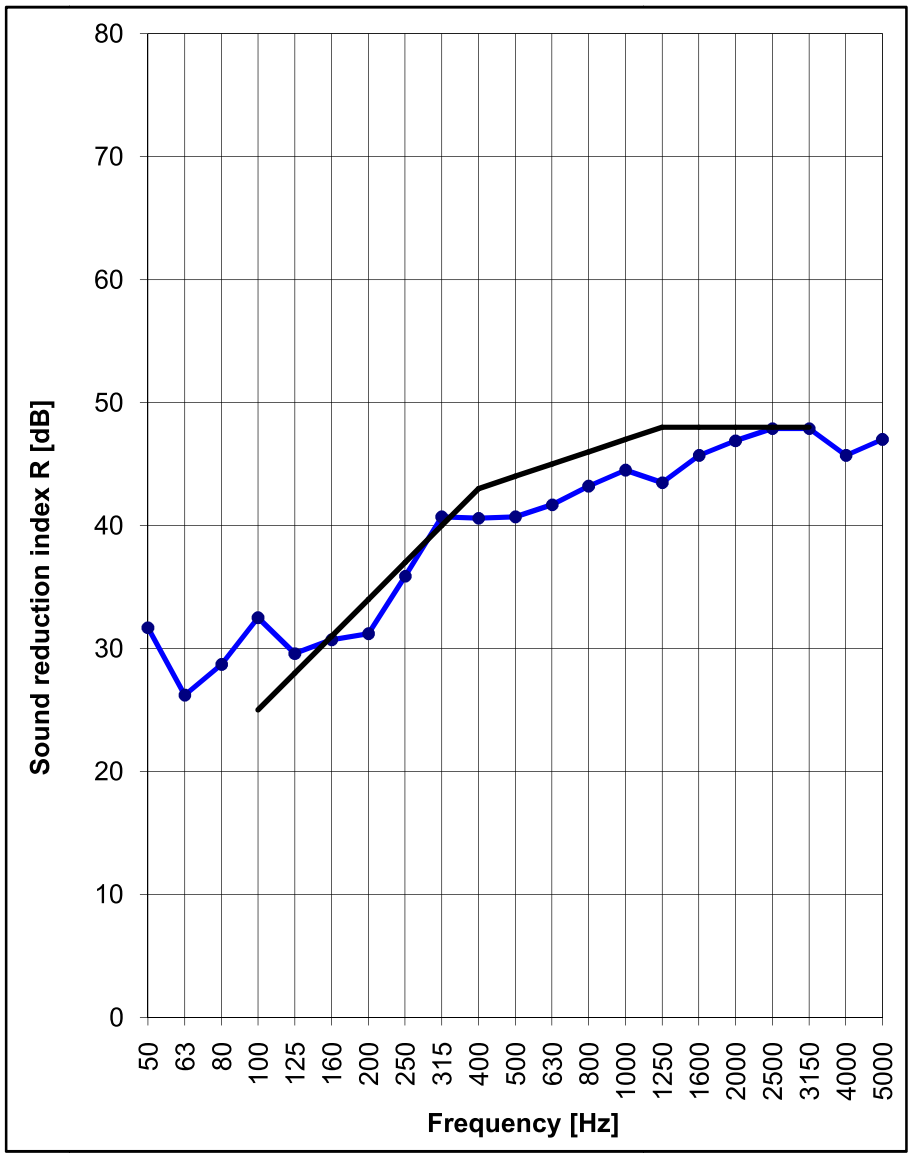
Sound reduction index, R, according to UNI EN ISO 10140-2

Sample description: Wooden Leaf Door : X 402

Specimen area: 2.10 m^2

Rooms volume: Emitting 121.1 m^3 Receiving 162.8 m^3

f	R
[Hz]	[dB]
50	31.7
63	26.2
80	28.7
100	32.5
125	29.6
160	30.7
200	31.2
250	35.9
315	40.7
400	40.6
500	40.7
630	41.7
800	43.2
1000	44.5
1250	43.5
1600	45.7
2000	46.9
2500	47.9
3150	47.9
4000	45.7
5000	47.0



Evaluation of conformity according to ISO 717-1

R_w ($C;C_{tr}$) = 44 (-1 ; -4) dB $C_{50\text{-}3150}$ = - 1 dB; $C_{50\text{-}5000}$ = -1 dB; $C_{100\text{-}5000}$ = -1 dB

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

$C_{tr,50\text{-}3150}$ = - 5 dB; $C_{tr,50\text{-}5000}$ = - 5 dB; $C_{tr,100\text{-}5000}$ = - 4 dB

Laboratory Manager Ing. Antonio Scofano