

## REPORT N. 184-2017-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

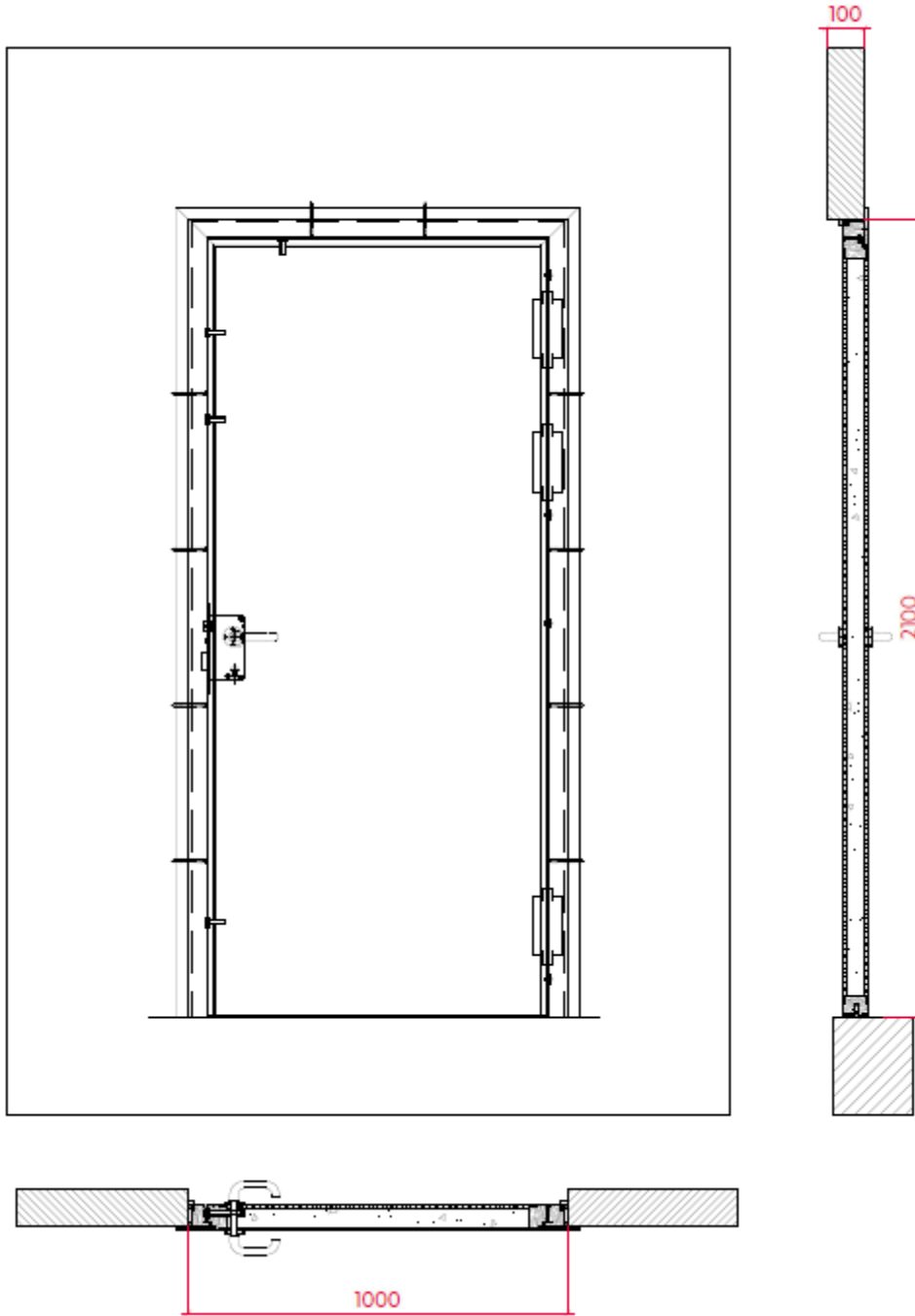
**Sample denomination:** The test specimen is named :

“ Wooden Leaf Door : X 400 “



LAB N° 1416

PREPARED	VERIFIED	APPROVED
Martina Ferrari	Antonio Scofano	Antonio Scofano



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

Sample description:

Wooden Leaf Door : X 400

Specimen area:

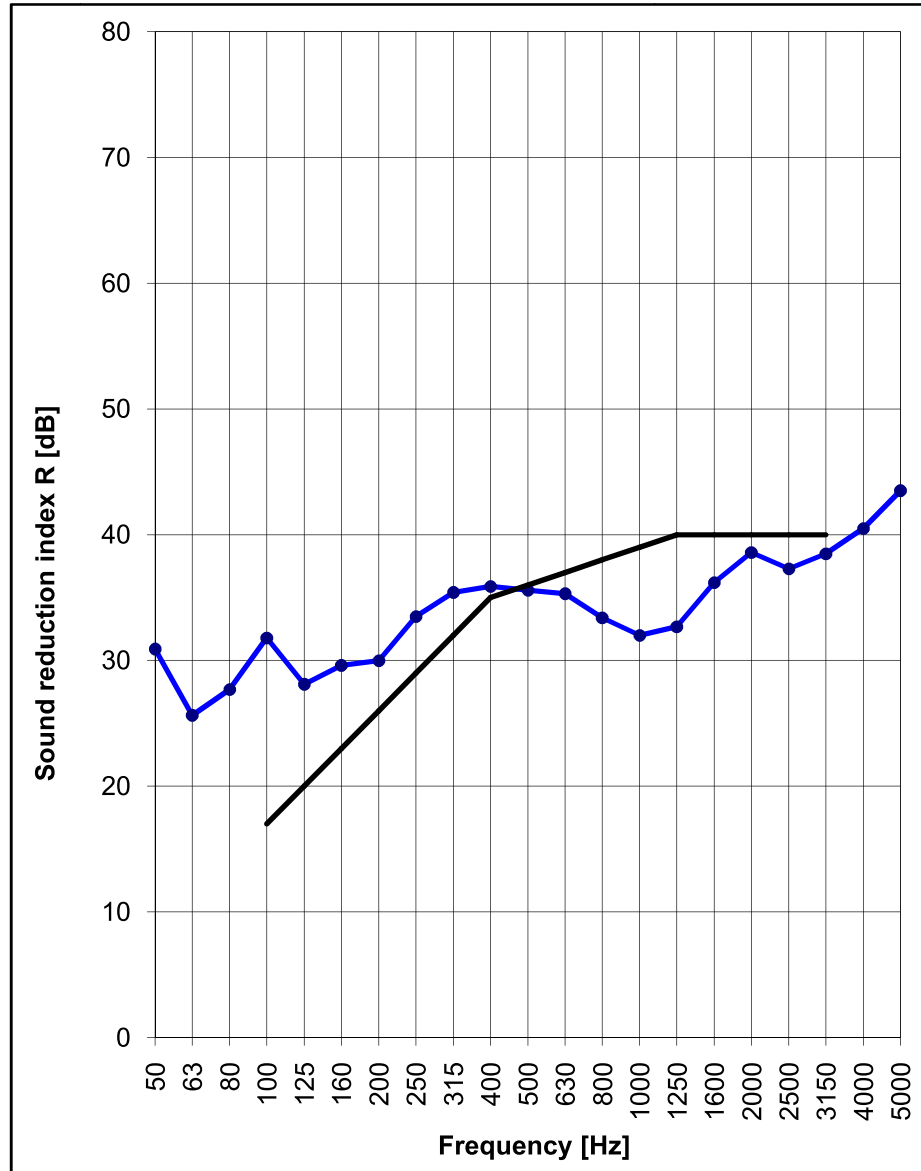
2.10 m<sup>2</sup>

Rooms volume:

Emitting 121.1 m<sup>3</sup>

Receiving 162.8 m<sup>3</sup>

f	R
[Hz]	[dB]
50	30.9
63	25.6
80	27.7
100	31.8
125	28.1
160	29.6
200	30.0
250	33.5
315	35.4
400	35.9
500	35.6
630	35.3
800	33.4
1000	32.0
1250	32.7
1600	36.2
2000	38.6
2500	37.3
3150	38.5
4000	40.5
5000	43.5



Evaluation of conformity according to ISO 717-1

$R_w (C; C_{tr}) = 36 (-1; -2) \text{ dB}$        $C_{50-3150} = -1 \text{ dB};$        $C_{50-5000} = 0 \text{ dB};$        $C_{100-5000} = 0 \text{ dB}$

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

$C_{tr,50-3150} = -3 \text{ dB};$        $C_{tr,50-5000} = -3 \text{ dB};$        $C_{tr,100-5000} = -2 \text{ dB}$

Laboratory Manager Ing. Antonio Scofano