

## REPORT N. 077-2015-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), 08/04/2015

**Committee:** Chemolli Fire

**Committee address:** via Fitta 1 - 38062 Arco (TN) - Italy

**Sample delivery date:** 08/04/2015

**Sample provenance:** Chemolli Fire

**Sample installation date:** 08/04/2015

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

**Test date:** 08/04/2015

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

**Sample denomination:** The test sample is denominated “X276”

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LAB N° 1416

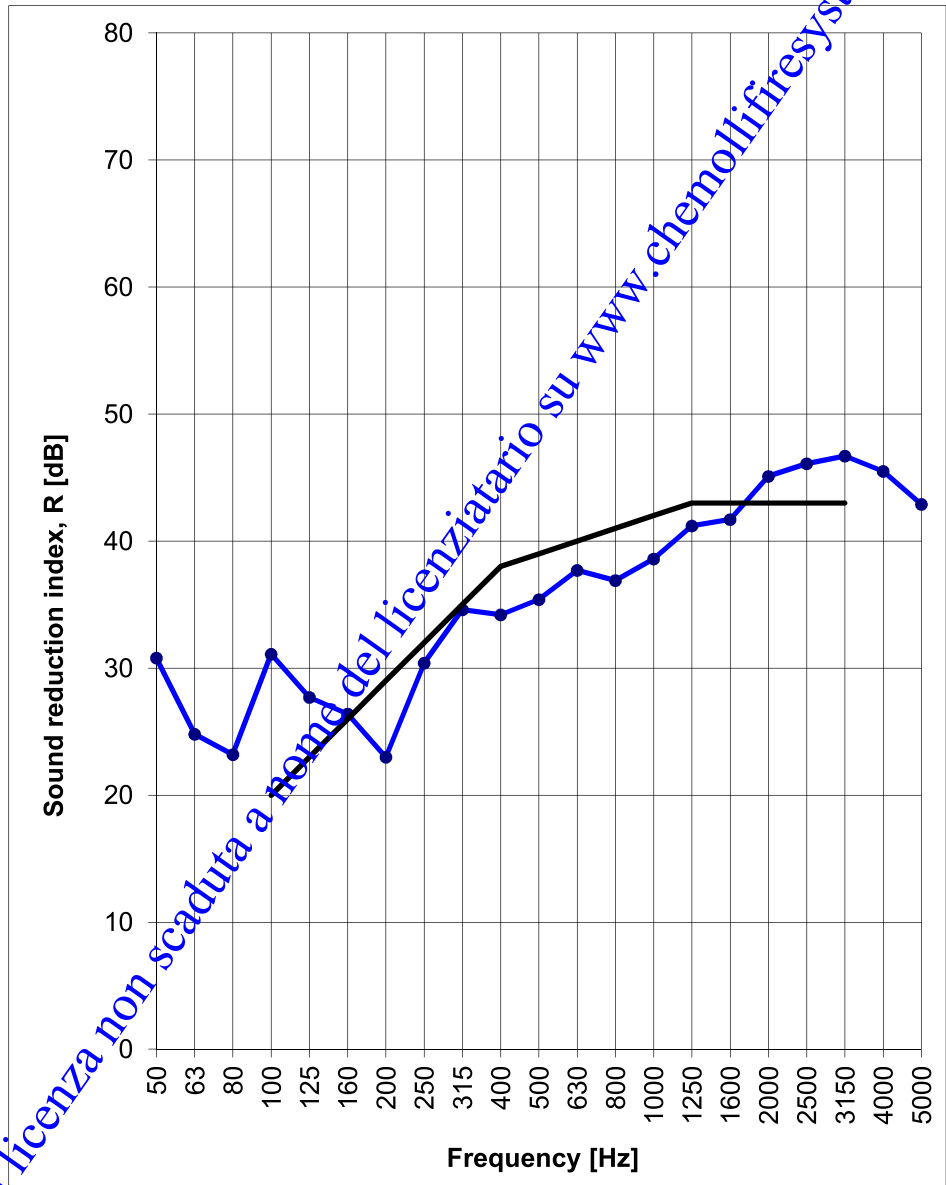
REDACT	VERIFIED	APPROVED
Adriano Maci	Antonio Scofano	Antonio Scofano

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

Sample description: Door X276

Specimen area: 2.13 m<sup>2</sup>  
 Rooms volume: Emitting 116.2 m<sup>3</sup> Receiving 164.8 m<sup>3</sup>

f	R
[Hz]	[dB]
50	30.8
63	24.8
80	23.2
100	31.1
125	27.7
160	26.4
200	23.0
250	30.4
315	34.6
400	34.2
500	35.4
630	37.7
800	36.9
1000	38.6
1250	41.2
1600	41.7
2000	45.1
2500	46.1
3150	46.7
4000	45.5
5000	42.9



Evaluation of conformity according to ISO 717-1

$R_w (C; C_{tr}) = 39.3 (-1, +4)$  dB       $C_{50-3150} = -1$  dB;       $C_{50-5000} = -1$  dB;       $C_{100-5000} = -1$  dB

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

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

Laboratory Manager Ing. Antonio Scofano



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