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ECAMRICERT S.R.L. Iscritta alla C.C.I.A.A. di Vicenza al nr. 175400 R.E.A. Capitale sociale €. 75.000,00 i.v.

Laboratorio iscritto al Registro Regionale dei Laboratori ai fini dell'autocontrollo (D.G.R.V. n° 3644/2004)

Laboratorio di ricerca altamente qualificato art. 14 DM 593/2000-G.U. n° 29/2003

Accreditamento LAB N° 0699 conforme ai requisiti della norma UNI CEI EN ISO/IEC 17025:2005 / Membro degli accordi di

Information provided by the customer.

This Test Report refers only to samples tested only and can not be partially reproduced without written approval of the laboratory. Storage time of samples: samples are kept at the laboratory 30 days after the issue of the test report (with the exception of perishable products that are

For storage longer than one month must be specifically requeste

Time of record keeping: the laboratory must keep a copy of the test reports for a period of 4 years and a copy of the records relating to analyzes for four years, unless special customer requirements, all documents relating to tests for approval of the products are stored for 10 years.



04/03/2016

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LABORATORY MEASUREMENT AIRBORNE SOUND INSULATION OF BUILDING ELEMENTS (STANDARD SERIES ISO 10140)

Client

SEVEN METAL S.r.I. Via Castaldia, 5 31010 Mareno di Piave (TV) Italy.

Object:

UNI EN ISO 10140-1:2014 + UNI EN ISO 10140-2:2010 + UNI EN ISO 10140-4:2010 +

UNI EN ISO 717-1:2013

Mesurage en laboratoire de l'isolation acoustique des éléments de construction.

1. ACOUSTIC TESTS DESCRITION#

1) wall with metal panels pre-painted sheet, plasterboard, internally insulated with insulating material (except in the uprights), thickness 100 mm (test date 23/02/16).

 $R_{\rm w} = 55 \, {\rm dB}$

2) glass wall with tempered glass 6 + 8 on aluminum profiles, thickness 100 mm (test date 25/02/16).

 $R_{\rm w} = 47 \; \rm dB$

3) glass door with tempered glass 6 + 8, thickness 82 mm, pre-painted steel doorframe, thickness 100 mm, (test date 29/02/16).

 $R_{\rm w} = 40 \text{ dB}$

4) metal door, thickness 100 mm, include a solid lacquered sheet metal, thickness 82 mm, (test date 03/03/16).

 $R_{\rm w} = 43$

2. REFERENCE STANDARDS

For the technical methods of measurement and determination of the indices that define the performance of building elements must be referred to the following ISO standards:

ISO 10140-1:2014 Acoustics. Laboratory measurement of sound insulation of building elements. Part 1: Application rules for specific products.

ISO 10140-2:2010 Acoustics. Laboratory measurement of sound insulation of building elements. Part 2: Measurement of airborne sound insulation.

ISO 10140-4:2010 Acoustics. Laboratory measurement of sound insulation of building elements. Part 4: Measurement procedures and requirements.

ISO 10140-5:2014 Acoustics. Laboratory measurement of sound insulation of building elements. Part 5: Requirements for test facilities and equipment.

ISO 717-1:2013 Acoustics. Rating of sound insulation in buildings and of building elements. Part 1: Airborne sound insulation.

Thermo-Acoustic sector Director: Ing. Rinaldi Cristian