

Ensayo de estanqueidad

Certificaciones LEED,
BREEAM, VERDE y WELL

TIPO: Autodeclaración

FECHA: Madrid, 23 de mayo de 2018

EMISIÓN: Departamento Técnico Saint-Gobain Isover Ibérica S.L

REFERENCIA: ADM-CGM 230518



ISOVER
SAINT-GOBAIN



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Certificaciones de calidad

y medio ambiente: UNE-EN ISO 9001 y UNE-EN ISO 14001

DAP verificada: UNE-EN ISO 15804

Estimados Sres.:

Saint-Gobain Isover Ibérica, según el ensayo realizado por CETIAT para el CLIMAVER A2 NETO y CLIMAVER PLUS R (tomados como representantes de la familia de conductos autoportantes CLIMAVER) certifica que la clase de estanqueidad de los productos, CLIMAVER PLUS R, CLIMAVER neto, CLIMAVER A2 PLUS, CLIMAVER A2 neto, CLIMAVER APTA, CLIMAVER A2 APTA, CLIMAVER A1 NETO y CLIMAVER STAR, es:

- clase D, según la norma EN12237, siendo esta clasificación el máximo nivel de estanqueidad alcanzable,
- clase C, según la norma EN1507, siendo esta clasificación el máximo nivel de estanqueidad alcanzable.



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For the attention of Mr DIEZ MONFORTE Alfonso

Villeurbanne, the 16th of February 2011

Person in charge : **Anne TISSOT**

Signature :

A handwritten signature in blue ink, appearing to read "Anne Tissot", is written over a light blue horizontal line.

Test Report N° 2514286 – 9

Version : 02

TEST OF GLASSWOOL DUCT CLIMAVER NETO

ACCORDING TO EN 13403

AIRTIGHTNESS TEST

EQUIPMENT ID : CLIMAVER NETO

MANUFACTURER : SAINT-GOBAIN CRISTALERIA

REFERENCE DOCUMENT(S) : EN 13403

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Version	Date	Nature of change	Modified pages
00	18/05/2006	First distributed	
01	28/07/2006	Wrong report number	all
02	16/02/2011	Airtightness classification	5 – 6 – 7 – 8 - 9

Each new version cancels and replaces the previous one.

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The original copy of the report is given to the customer and a certified copy is kept at CETIAT.

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1. INTRODUCTION

The objective of the tests was to characterise two kinds of glasswool ducts according to EN 13403 July 2003 "Ventilation for buildings – Non-metallic ducts – Ductwork made from insulation ductboards". Tests were :

- Erosion and Emission of particles (§7.2 of EN 13403),
- Resistance against pressure (§7.3 of EN 13403),
- Air leakage factor and airtightness class (§4.3 of EN 13403, referred to §5.2 of prEN 1507),
- Board stiffness (§ 7.1.3 of EN 13403),
- Weighted acoustical absorption (§4.7.7 of EN 13403, referred to ISO 354 and ISO 11654).

Two samples were tested :

- CLIMAVER PLUS R,
- CLIMAVER NETO.

This report contains the results of the airtightness test for CLIMAVER NETO.

Detailed results – CLIMAVER NETO sample

Atmospheric pressure : 99400 Pa

Air temperature : 26°C

Relative humidity : 43%

Negative pressure

Pressure	Measured air leakage	Air leakage at 20°C and 101325 Pa	Airleakage rate at 20°C and 101325 Pa
Pa	m ³ /h	m ³ /h	(m ³ /h)/m ²
-201	0.44	0.42	0.04
-412	0.65	0.62	0.07
-604	0.87	0.83	0.09
-760	1.03	0.98	0.11

Positive pressure

Pressure	Measured air leakage	Air leakage at 20°C and 101325 Pa	Airleakage rate at 20°C and 101325 Pa
Pa	m ³ /h	m ³ /h	(m ³ /h)/m ²
202	0.49	0.47	0.05
514	0.80	0.77	0.08
761	1.00	0.97	0.10
1013	1.22	1.19	0.12
1513	1.64	1.60	0.17
1974	2.40	2.35	0.24

For the negative pressure test, the obtained results comply with :

- the **class C** requirements according to prEN1507 standard,
- the **class D** requirements according to EN12237 standard.

For the positive pressure test, the obtained results comply with :

- the **class C** requirements according to prEN1507 standard,
- the **class D** requirements according to EN12237 standard.