

DITEC SPA
Via G. Pascoli 30
30020 - QUARTO D'ALTINO (VE)



Test report No. 324/10



It is made up of 5 pages of test report and 3 pages of attachments

- dated 2010-03-15

- request 319

- dated 2010-01-25

It refers to

- item Sliding door.

- size/features	Width and height	3,300x2,450 m
	Overall surface	9,275 m ²
	Length of the opening joints	7,000 m

- model VALOR HH

- manufacturer DITEC SPA
Via G. Pascoli 30 - 30020 - QUARTO D'ALTINO (VE)

- item No. CERT 319/10

- date of arrival 2010-02-10

- date of the tests 2010-02-12

Sede Legale:

c/o Camera di Commercio
Industria Artigianato Agricoltura
Piazza Borsa, 3/B
31100 Treviso (TV)
Tel. 0422/5951
www.tv.camcom.it

Sede Principale:

Centro Cristallo, Via Roma, 4
31020 Lanceno di Villorba (TV)
Tel. 0422/608858 - Fax 0422/608866
Videoconferenza 0422/910201
Cod. Fisc. - PIVA 04026520264
www.tvtecnologia.it
info@tvtecnologia.it

Sede Operativa:

CERT Centro Certificazione e
Test di Treviso Tecnologia
Via Pezza Alta, 34
31046 Rustignè di Oderzo (TV)
Tel. 0422/852016 - Fax 0422/852058
Videoconferenza 0422/852138
www.tvtecnologia.it
cert@tvtecnologia.it

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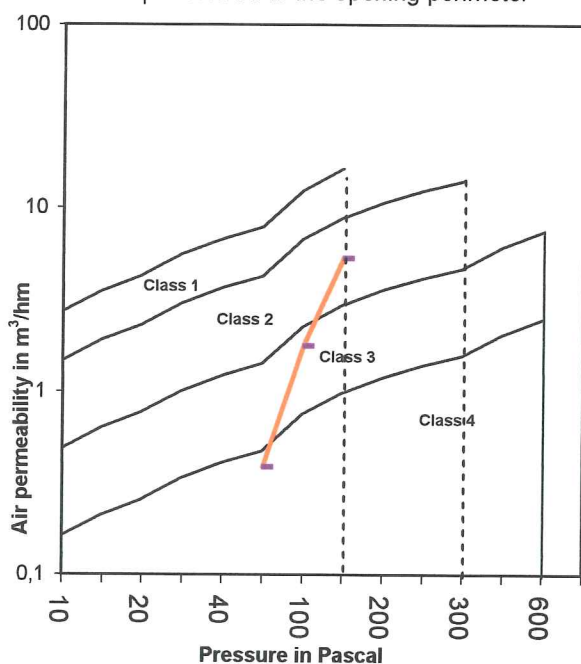
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UNI EN 1026(2001) - UNI EN 12207(2000) Air permeability test

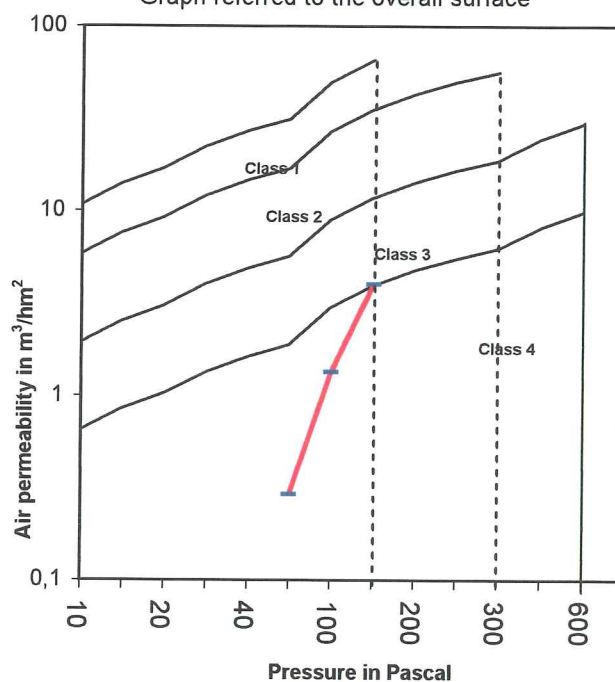
- Environmental testing conditions: Temperature: 15,0 °C
 Humidity: 36,0 % R.H.
 Atmospheric pressure: 101 kPa

Pressure [Pa]	Leakage		
	Total [m ³ /h]	Referred to the overall surface [m ³ /hm ²]	Referred to the opening perimeter [m ³ /hm]
50	2,7	0,29	0,39
100	12,4	1,34	1,77
150	37,1	4,00	5,30
200	---	---	---
250	---	---	---
300	---	---	---
450	---	---	---
600	---	---	---

Graph referred to the opening perimeter



Graph referred to the overall surface



- Class referred to the overall area: Class 3

- Class referred to the opening perimeter: Class 2

- **Final class of the sample:** Class 3

- Machines/equipment used: VHE-type Holten test bench.

- Description of the test: The test was carried out according to UNI EN 1026(2001) and UNI EN 12207(2000) standards.

- Conditioning: Before carrying out the test, the sample had been conditioned for 4 hours at 20°C ± 10°C and 50% ± 25% R.H..

- Notes: ---

- Date of the test: 2010-02-12

The results presented in this report refer to the sample tested. This document may only be reproduced by the client.

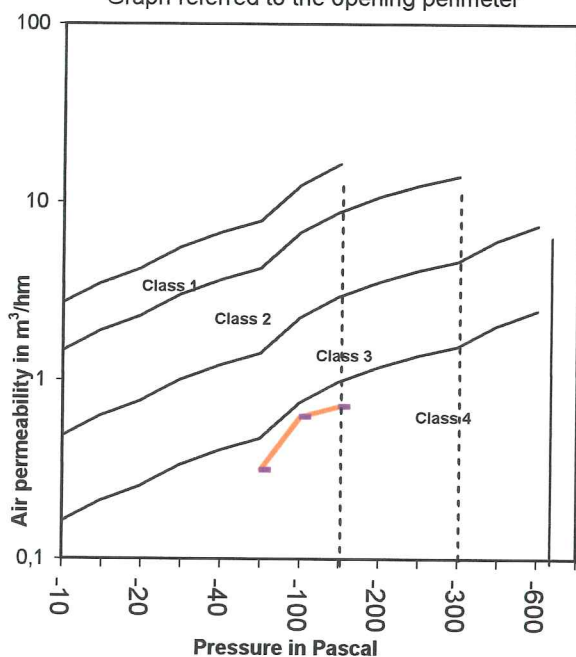
Test report No. 324/10

UNI EN 1026(2001) - UNI EN 12207(2000) Air permeability test

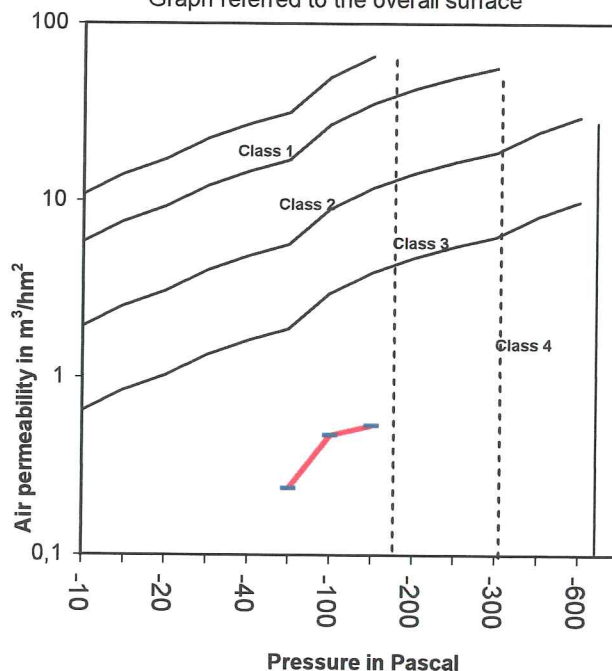
- Environmental testing conditions: Temperature: 15,0 °C
 Humidity: 36,0 % R.H.
 Atmospheric pressure: 101 kPa

Pressure [Pa]	Leakage		
	Total [m ³ /h]	Referred to the overall surface [m ³ /hm ²]	Referred to the opening perimeter [m ³ /hm]
-50	2,2	0,24	0,31
-100	4,4	0,47	0,63
-150	5,0	0,54	0,71
-200	---	---	---
-250	---	---	---
-300	---	---	---
-450	---	---	---
-600	---	---	---

Graph referred to the opening perimeter



Graph referred to the overall surface



- Class referred to the overall area: Class 4
 - Class referred to the opening perimeter: Class 4

- Final class of the sample: Class 4

- Machines/equipment used: VHE-type Holten test bench.

- Description of the test: The test was carried out according to UNI EN 1026(2001) and UNI EN 12207(2000) standards.

- Conditioning: Before carrying out the test, the sample had been conditioned for 4 hours at 20°C ± 10°C and 50% ± 25% R.H..

- Notes: The sample is class 1 as far as the average air permeability level is concerned according to point 4.14 of the UNI EN 14351-1 standard of 2006.

- Date of the test: 2010-02-12

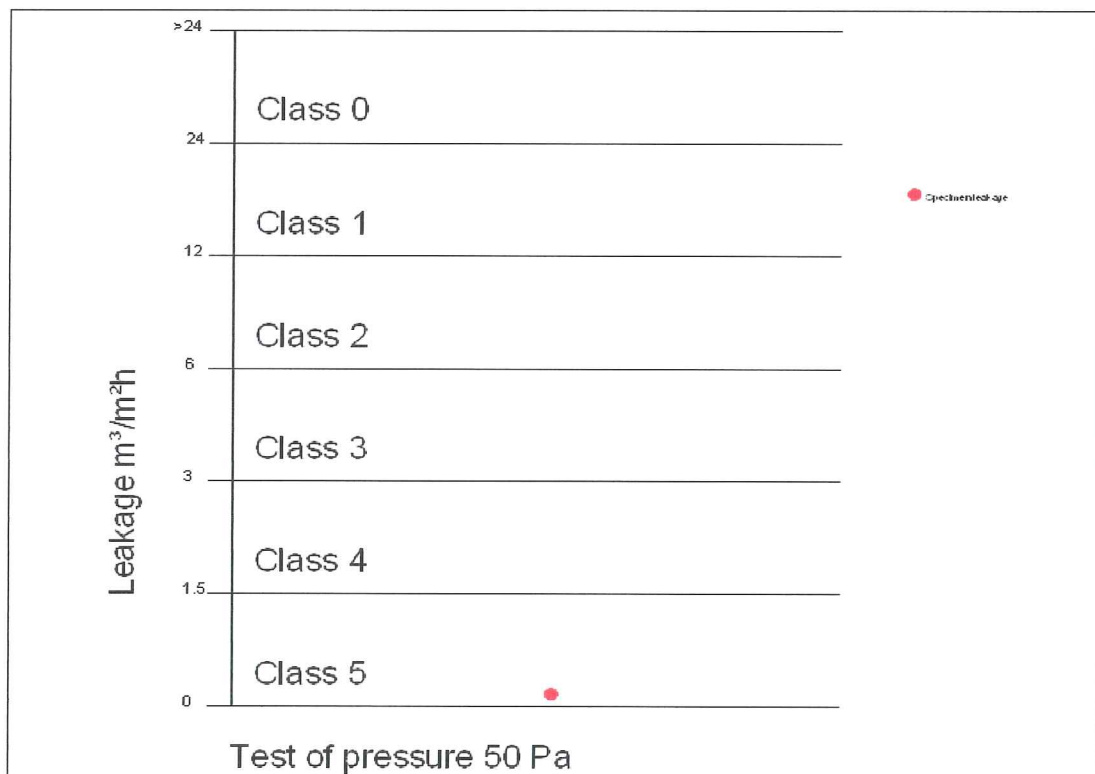
The results shown in this report refer exclusively to the sample tested.
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Test report No. 324/10

UNI EN 12426(2001) - UNI EN 12427(2002) Air permeability test

- Environmental testing conditions: Temperature: 15,0 °C
 Humidity: 36,0 % R.H.
 Atmospheric pressure: 101 kPa

Pressure [Pa]	Class	Permeability at a pressure of Δp 50 Pa [$\text{m}^3/\text{m}^2\text{h}$]	Specimen leakage
50	0	>24	0,370
	1	24	
	2	12	
	3	6	
	4	3	
	5	1,5	



- Final class of the sample:	Class 5
- Machines/equipment used:	VHE-type Holten test bench.
- Description of the test:	The test was carried out according to UNI EN 12426(2001) and UNI EN 12427(2002) standards.
- Conditioning:	Before carrying out the test, the sample had been conditioned for 4 hours at $20^\circ\text{C} \pm 10^\circ\text{C}$ and $50\% \pm 25\%$ R.H..
- Notes:	---
- Date of the test:	2010-02-12

*I risultati riportati nel seguente rapporto si riferiscono alla
 La riproduzione del presente documento è ammessa*

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Uncertainty of measurement

- The expanded uncertainty expressed in a relative form of the air permeability test and the wind load resistance test is equal to:

$$\dot{U}(V_0) = k \cdot \dot{u}(V_0)$$

assuming as a coverage factor $k = 2$, corresponding to a confidence level of 95%

where $\dot{u}(V_0)$ is equal to:

$$\sqrt{\dot{u}(P_x)^2 + \dot{u}(T)^2 + \dot{u}(V_x)^2} = \sqrt{\left(\frac{159,6}{P_x}\right)^2 + \left(\frac{0,23}{T}\right)^2 + (1,01 \cdot 10^{-2})^2}$$

where:

P_x is the atmospheric pressure measured, reported at page 2 of the test report;

T is the temperature measured, reported at page 2 of the test report;