TREVISO TECNOLOGIA
AZIENDA SPECIALE PER L'INNOVAZIONE TECNOLOGICA DELLA CAMERA DI COMMERCIO DI TREVISO

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	Hermetic sliding door system.
- 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 LT=3238mm PAMH60 PL=1400mm PH=2100mm.
- manufacturer	DITEC ENTREMATIC 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

Laboratory Technician	Laboratory Technical Manager
Matteo Giacomin	Alessandro Cibin

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SEZIONE A ARCHITETTO
ALESSANDRO CIBIN N° 2848

Sede Legale:
c/o Camera di Commercio
Industria Artigianato Agricoltura
Pzza Borsa, 3/B
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Sede Principale:
Centro Cristallo, Via Roma, 4
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Organismo notificato per la CPD N° 1600

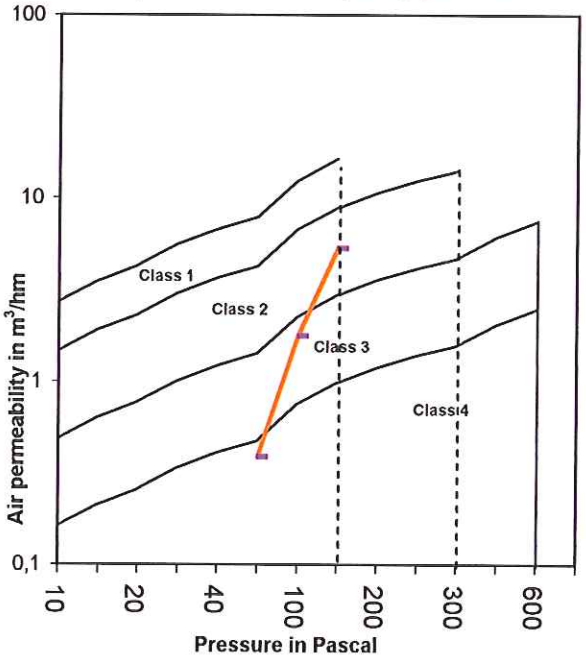
Test report No. 324/10

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

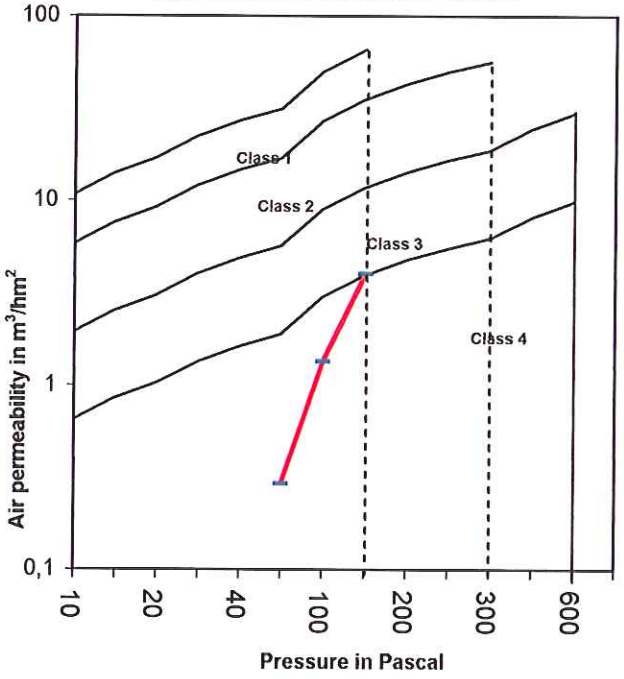
- Environmental testing conditions: Temperature: 15,0 °C
  Humidity: 36,0 % R.H.
  Atmospheric pressure: 101 kPa

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	2,7	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

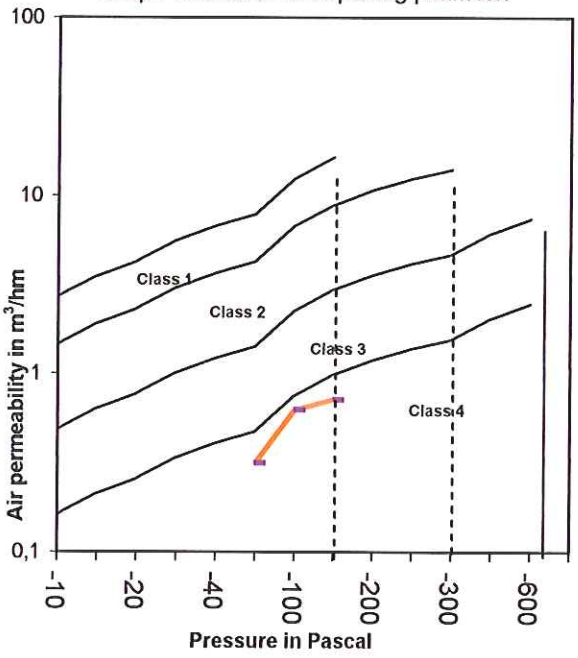
Test report No. 324/10

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

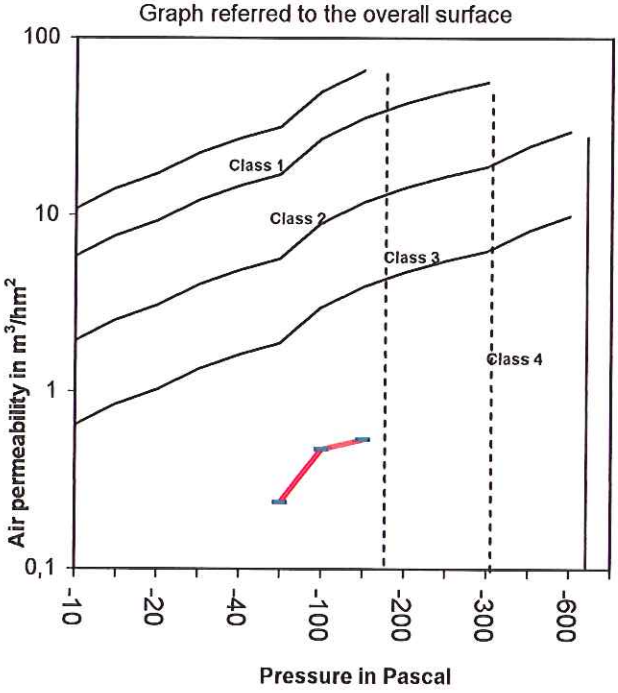
- Environmental testing conditions: Temperature: 15,0 °C
  Humidity: 36,0 % R.H.
  Atmospheric pressure: 101 kPa

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



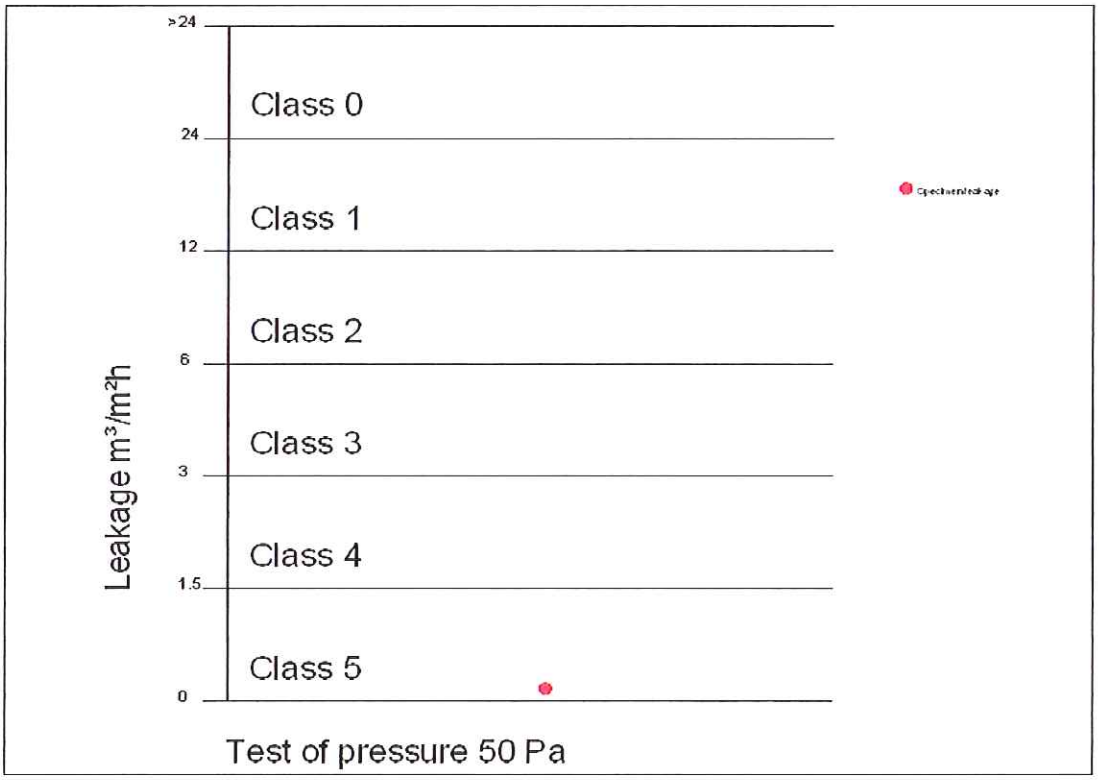
- Class referred to the overall area: Class 4
- Class referred to the opening perimeter: Class 4
- **Final class of the sample: Class 4**
- Machines/equipment used: VHE-type Holten test bench.
- Description of the test: The test was carried out according to UNI EN 1026(2001) and UNI EN 12207(2000) standards.
- 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

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 [m^3/m^2h]	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°C ± 10°C and 50% ± 25% R.H..
- Notes:	---
- Date of the test:	2010-02-12

Test report No. 324/10

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:

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

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;