

CERTIFICATE

manusa



Company

MANUSA DOOR SYSTEMS

Address

Av Via Augusta, 85-87
08174 Sant Cugat del Vallès (Spain)

Certificate N°

D00992

P50 SLIDING DOOR
Air permeability classification

CLASS 6
according EN 12426

Date 2015-12-21

This Certificate is based on the next controlled documents:
ISO 9001. Certificate SGS N° ES01/1226
ISO 14001. Certificate SGS N° ES13/13714
OHSAS 18001. Certificate SGS N° ES13/15205
Applus+. Initial type test N° 07/32304784

Francesca Martínez
I+D+i. Standardization & Test



CERTIFICATE

INITIAL TYPE TEST

Number 07/32304784

Bellaterra: 09th november 2007 Page 1/1

Applicant Reference: REDOR, S.L.
 Ctra. Pla de Santa Maria Km 1,2
 43800 Valls
 Tarragona

Date of the tests: 31th october 2007

TESTED MATERIAL

A 1 sliding leave door with fixed glass, for inner use, total dimensions (frame included) of 2150 x 1550mm (height x width) and trade reference P50 HERMETIC SINGLE SLIDE.


TEST REQUESTED

Initial Type Test on the tested material described above in order to determinate his Air Permeability at Low Pressures, defined by the Applicant.

CLASSIFICATION

The tested door is according to the test requested obtaining this classification:

Pressure		Total Air loss	Air loss respect Door area	Air loss respect Seal length
Nominal (Pa)	Real (Pa)	m ³ /h	m ³ /h · m ²	m ³ /h · m
15	17	0,78	0,23	0,10
20	17	0,78	0,23	0,10
30	26	2,09	0,62	0,28
40	36	3,43	1,02	0,46
50	46	4,53	1,35	0,61
75	71	7,15	2,14	0,96
100	97	9,71	2,91	1,31
-15	-15	4,56	1,36	0,61
-20	-19	5,28	1,58	0,71
-30	-31	6,35	1,90	0,85
-40	-39	7,13	2,13	0,96
-50	-49	7,73	2,31	1,04
-75	-74	9,43	2,82	1,27
-100	-99	10,68	3,20	1,44


 Jordi Mirabent Junyent
 Fire department responsible
 LGAI Technological Center, S.A.


 Albert Genís Castillo
 Technician responsible
 LGAI Technological Center, S.A.

1. This document has traceability with the file of the customer with the same number and date indicated in this document.
 2. The results refer exclusively to the sample, product or material surrendered to the Laboratory, just as it is informed in the section of received material and tested under the conditions indicated in the norms mentioned in this document.