

TEST REPORT n° 428/96-A

Guidonia M. 20/03/96

Results of the tests performed on 13/03/96, on window test-piece aluminium.

Geometrical and structural characteristics of the test-piece are given in the attached description sheet that is an integral part of this test report and it was supplied by the Customer.

Customer : ALLUMIX S.p.A.

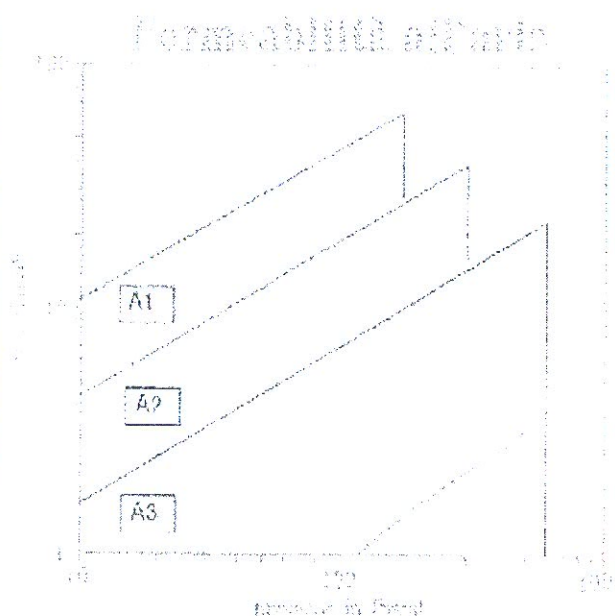
Product name : F 90 STT
Opening type : sliding

TEST RESULTS

AIR PERMEABILITY - EN 42 -

Open dimentions
Surface: 4.3 m² Perimeter: 10.3 ml

Pression	Flow			
	Pascal	mc/h	mc/hm ²	mc/hm
0	0.0	0.0	0.0	0.0
50	1.8	0.4	0.2	
100	3.8	0.9	0.4	
150	5.4	1.3	0.5	
200	6.9	1.6	0.7	
300	9.2	2.1	0.9	
400	11.5	2.7	1.1	
500	13.6	3.2	1.3	
600	15.8	3.7	1.5	



Air permeability : classification according to UNI 7979 Class A3

WATERTIGHTNESS - EN 86 – Metod 1

No water leakage at 500 Pascal.

Watertightness : classification according to UNI 7979 Class E4

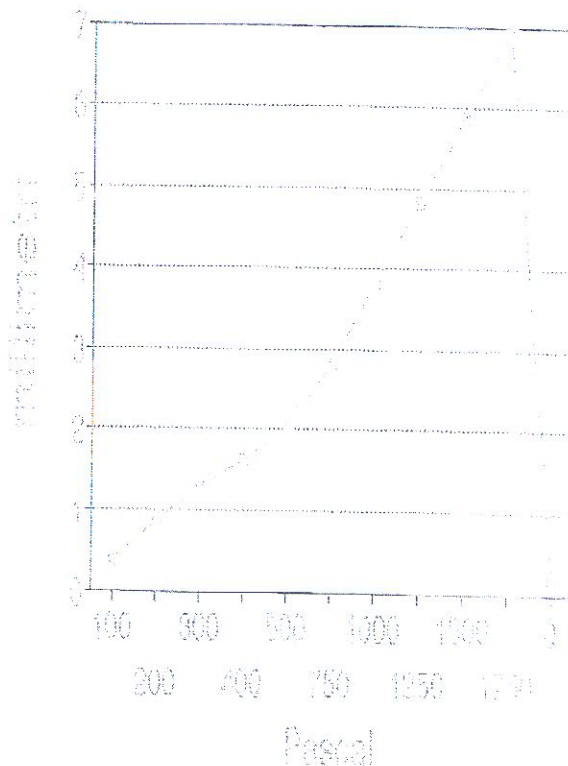
TEST REPORT n° 428/96-A

WIND RESISTANCE – EN 77 –

P1- Most deformable window element with handle

Pascal	Basso	Centro	Alto	Netta
0	0.0	0.0	0.0	0.0
100	0.4	0.9	0.6	0.4
200	0.8	1.8	1.0	0.9
300	1.2	2.6	1.4	1.3
400	1.5	3.3	1.8	1.7
500	1.8	4.0	2.1	2.1
700	2.6	5.6	2.9	2.9
1000	3.5	7.5	3.8	3.9
1250	4.5	9.5	4.8	4.9
1500	5.4	11.5	5.8	5.9
1750	6.3	13.6	7.0	7.0
0	0.3	0.4	0.2	0.2

Net deformation



Note: no alteration

P2 - Pulse

N° 50 pulsations at **1400 Pascal** (143 kg/m² and 172 km/h); at the end of the test, there was no alteration in the casing functionality.

air permeability did not have variations

P3 - maximum pressure exceptional

A 3150 Pascal (321 kg/m² and 258 km/h) pulsation was applied; at the end of the test, there was no alteration in the casing functionality.

Wind resistance : classification according to UNI 7979 Class V3

TEST OPERATOR

DIRECTOR