

SW70TT

istituto sperimentale per l'edilizia s.p.a.

ISTEDIL

Autorizzato all'esecuzione delle prove ai sensi e per gli effetti dell'Art. 20 della legge del 5-11-71 n. 1086 con Decreti Ministero LL. PP. Autorizzato alle certificazioni CE - Notificato CEE n. 0529
 SEDE LEGALE - UFFICI E LABORATORI: 00012 Guidonia M. (Roma) Loc. Setteville - Via Tiburtina Km 18,300 - Tel. 0774/353580 r.a. - Fax 0774/353762

PERUGIA - 06132 S. Sisto Loc. S. Andrea delle Fratte - Via Maccheroni s.n.c. - Tel. 075/5271717 - Fax 075/5271705

LATINA SCALO - 04013 Loc. Tor Tre Ponti - Via Carrara, 12/a - Tel. 0773/630137 - Tel. e Fax 0773/630217

SASSARI - 07100 Loc. Predda Niedda - Strada 25 - Tel. e Fax 079/260581

www.istedil.it
 E-mail: info@istedil.it

TEST REPORT n° 0329/2006

Guidonia M. 15/02/2006

Results of the air permeability, watertightness and wind resistance tests performed on 14/02/2006, on a two opening window test-piece received on 14/02/2006.

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 : STARPUR S.r.l. -Nocera Inferiore- (SA)



DECLARED DATA

Product name : SW70TT
 Opening type : ANTA/RIBALTA
 Frame : WOOD-ALUMINUM
 Dimensions (mm) : 1200 x 1400 (total) ; 1128 x 1328 (openings)

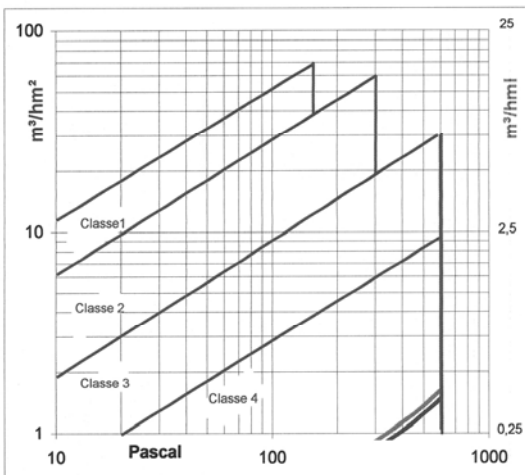
TEST RESULTS

Environmental conditions: 16 °C 52% R.H.

AIR PERMEABILITY - UNI EN 1026

Surface m² 1,7 Perimeter lin. m 6,2

Pascal	m ³ /h	m ³ /hm ²	m ³ /hml
50	0,0	0,0	0,0
100	0,0	0,0	0,0
150	0,0	0,0	0,0
200	0,8	0,5	0,1
250	1,0	0,6	0,2
300	1,4	0,8	0,2
450	1,9	1,1	0,3
600	2,5	1,5	0,4



Air permeability: Classification according to UNI EN 12207 : Class 4

WATERTIGHTNESS UNI EN 1027 - Method A

No water leakage at 600 Pa

Watertightness : Classification according to UNI EN 12208 : Class 9A



TEST REPORT n° 0329/2006

pag. 2/2

WIND RESISTANCE - UNI EN 12211

Frontal deflection (P1) Most deformable window element (mm) : **1200**

		Pressure P1 (Pa)					
		0	2000	0	0	-2000	0
deflection (mm)	A →	Ao	Ap	A residuo	Ao	Ap	A residuo
	M →	0,0	2,4	0,4	0,0	-3,5	-0,5
	B →	Mo	Mp	M residuo	Mo	Mp	M residuo
		0,0	3,7	0,7	0,0	-4,4	-0,9
		Bo	Bp	B residuo	Bo	Bp	B residuo
		0,0	2,7	0,6	0,0	-2,6	-0,7
Frontal deflection (mm)		Fp			Fp		
		1,15			-1,35		
Relative frontal deflection (mm)		1/ 1043			1/ -889		
CLASS		A		B		C	
Frontal deflection limits (mm)		<1/150	8,0	<1/200	6,0	<1/300	4,0

Repeated pressure test (P2)

N° 50 pulsations at **1000 Pascal** were applied (101 kg/m² and 145 km/h); at the end of the test, there was no alteration in the casing functionality.

After P1 and P2 tests, air permeability did not have variations greater than 20 %.

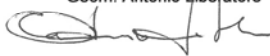
Security test (P3)

A **3000 Pascal** (304 kg/m² and 252 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 EN 12210 : Class C5

TEST OPERATOR

Geom. Antonio Liberatore



DIRECTOR

Dott. Ing. Giovanni Lapolla



Partial reproduction of this Report forbidden without Istedil prior authorization

Capitale Sociale € 1.040.000,00 int. versato - Trib. di Roma n. 1256/72 - C.C.I.A.A. n. 358813 - Partita I.V.A. 00887271005 - Codice Fiscale 00422780585

Inserito nell'albo dei laboratori altamente qualificati di cui all'art. 4 della legge 17-2-1982 n. 46 - con decreto del Ministero per il Coordinamento delle iniziative per la Ricerca Scientifica e Tecnologica - Iscritto alla RILEM