

Nr.714C9200511 May 26, 2011

UNI EN 14351-1

WINDOWS AND DOORS

MANUFACTURER

Corporate name: METAL SA Aluminium Industry Sximatari – Viotia, Greece
Address: Area Patima Sximatari –Viotia 32009 Greece
Phone number: (0030) 22620 58212 _ 58756_ 58757
Fax number: (0030) 22620 58755
e-mail: metal3@hol.gr

SAMPLE DESCRIPTION

Model:	COMPASS 5000
Section:	-
Node:	Lateral
N° of production:	-
Year of production:	-
Testing date:	May 25, 2011
Type of test:	Calculation of thermal transmittance

REFERENCE STANDARDS

- UNI EN 14351-1:2006 Windows and doors - Product standard, performance characteristics Part 2: Internal pedestrian doorsets without resistance to fire and/or smoke leakage characteristics.
- UNI EN ISO 10077-2:2004 Thermal performance of windows, doors and shutters Calculation of thermal transmittance.

RESULTS

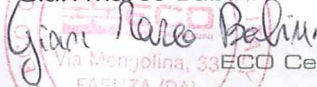
On the basis of the data and technical documentation supplied by the Manufacturer, and taking into account the calculation methods par. 4.12 of the UNI EN 14351-1:2006, as well as the norms mentioned above, for this specific product, the U_f value is the following:

$$U_f = 5,97 \text{ W/m}^2\text{K}$$

Faenza 26/05/2011

Technical Inspector Eco Certificazioni S.p.A

Gian Marco Babini



Technical Manager Eco Certificazioni S.p.A.

Eng. Gian Luca Laghi



TEST REPORT

Nr.714C7670710 2th of July, 2010

ECO CERTIFICAZIONI S.P.A. NOTIFIED BODY Nr. 0714 FOR
DIRECTIVE 89/106/EEC

UNI EN 14351-1
WINDOWS AND DOORS

Manufacturer: METAL SA Aluminium Industry Sximatari – Viotia, Greece
Address: Area Patima Sximatari –Viotia 32009 Greece
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Test Sample: TWO WINGS ONE SIDE TILT & TURN - COMPASS 5000

Testing date: 02/07/2010

Type of test

- Air Permeability in accordance with UNI EN 1026:2001 with test result expressed in accordance with UNI EN 12207:2000;
- Water tightness in accordance with UNI EN 1027:2001 with test result expressed in accordance with UNI EN 12208:2000;
- Resistance to wind load in accordance with UNI EN 12211:2001 with result expressed in accordance with UNI EN 12210:2000;

TABELLA RIASSUNTIVA DEI RISULTATI OTTENUTI	
Air Permeability:	Class 4
Water tightness:	Class 7A
Resistance to wind load:	Class C1

The results are strictly connected with the sample submitted to the tests.

Technical Inspector Eco Certificazioni S.p.A
Ing. Gualtiero Fabbri



Technical Manager Eco Certificazioni S.p.A.
Ing. Gianluca Camporesi



Nr.714C9210511 May 26, 2011

UNI EN 14351-1

WINDOWS AND DOORS

MANUFACTURER

Corporate name: METAL SA Aluminium Industry Sximatari – Viotia, Greece
Address: Area Patima Sximatari –Viotia 32009 Greece
Phone number: (0030) 22620 58212 _ 58756_ 58757
Fax number: (0030) 22620 58755
e-mail: metal3@hol.gr

SAMPLE DESCRIPTION

Model:	COMPASS 5000
Section:	-
Node:	Central
N° of production:	-
Year of production:	-
Testing date:	May 25, 2011
Type of test:	Calculation of thermal transmittance

REFERENCE STANDARDS

- UNI EN 14351-1:2006 Windows and doors - Product standard, performance characteristics Part 2: Internal pedestrian doorsets without resistance to fire and/or smoke leakage characteristics.
- UNI EN ISO 10077-2:2004 Thermal performance of windows, doors and shutters Calculation of thermal transmittance.

RESULTS

On the basis of the data and technical documentation supplied by the Manufacturer, and taking into account the calculation methods par. 4.12 of the UNI EN 14351-1:2006, as well as the norms mentioned above, for this specific product, the U_f value is the following:

$$U_f = 6.04 \text{ W/m}^2\text{K}$$

Faenza 26/05/2011

Technical Inspector Eco Certificazioni S.p.A

Technical Manager Eco Certificazioni S.p.A.

Gian Marco Babini

Eng. Gian Luca Laghi

