ISTITUTO GIORDANO
BEYOND CERTIFICATION

TEST REPORT No. 399061

Customer

IDECO ARGYRIS PAPADOPOULOS S.A.

Road Veria-Thessaloniki, 10th km - 59100 VERIA - Greece

Item*

insect screen with lateral guiderail with fabric running into the lateral rails and without tension system named "TITANIUM"

Activity

wind resistance according to clause 7.4 of standard UNI EN 1932:2013 with test parameters and results evaluation according to standard UNI EN 13561:2015

Results

Class 3

(*) according to that stated by the customer.

Bellaria-Igea Marina - Italy, 19 October 2022

Chief Executive Officer
(Dott. Nazario Giordano)

Firmato digitalmente da NAZARIO GIORDANO

Order:
92488

Item origin:
sampled and supplied by the customer

Identification of item received:
2022/1101 del 10 maggio 2022

Activity date:
8 agosto 2022

Activity site:
Istituto Giordano S.p.A. - Strada Erbosa Uno, 72 - 47043 Gatteo (FC) - Italy

Contents **Page**

Description of item*	2
Normative references	3
Apparatus	3
Method	3
Environmental conditions	4
Results	4
Findings	5

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The results relate only to the item examined, as received, and are valid only in the conditions in which the activity was carried out.
The original of this document consists of an electronic document digitally signed pursuant to the applicable Italian Legislation.

Chief Test Technician:
Dott. Ing. Paolo Bertini
Head of Security and Safety Laboratory:
Dott. Andrea Bruschi

Compiler: Dott. Marina Bonito
Reviewer: Dott. Ing. Paolo Bertini

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Cap. Soc. € 1.500.000 i.v. - R.E.A. c/o C.C.I.A.A. (RN): 156766 - Registro Imprese Romagna (Forlì-Cesena e Rimini) e CF/P. IVA: n. 00 549 540 409

Description of item*

The item under examination consist of an insect screen with lateral guiderail with fabric running into the lateral rails and without tension system, nominal size 1000 mm × 1500 mm, with bottom catepillar track and top metallic film. The net is structured in such a way that the fabric unfolds along its entire length in a straight line.

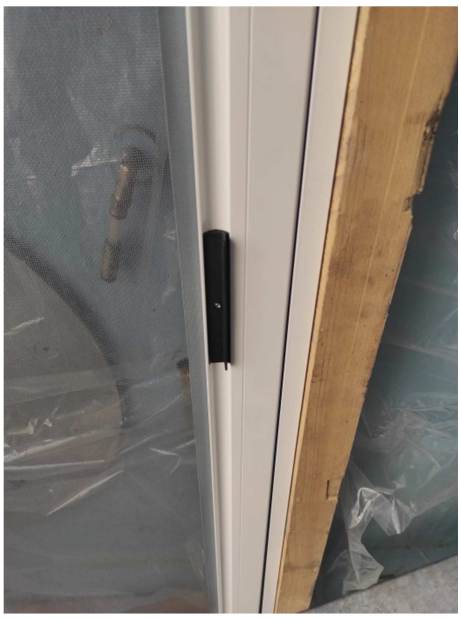
The item more specifically is made of:

– fabric with customer-stated openness coefficient “Co” 65 %.

For more details on the characteristics of the item, see the schematic drawings provided by the customer and shown in the annex “A”.

Photograph of the item

(*) according to that stated by the customer, with the exception of the characteristics expressly indicated as obtained via measurement; Istituto Giordano disclaims any responsibility on the information and data provided by the customer that may influence the results



Close-ups of the item

Normative references

Standard	Title
UNI EN 13561:2015	Tende esterne e tendoni - Requisiti prestazionali compresa la sicurezza *(External blinds and awnings - Performance requirements including safety)*
UNI EN 1932:2013	Tende e chiusure oscuranti esterne - Resistenza al carico del vento - Metodo di prova e criteri di prestazione *(External blinds and shutters – Resistance to wind loads – Method of testing and performance criteria)*

Apparatus

Description	In-house identification code
Istituto Giordano measure and control computerized semiautomatic system with differential pressure transducers	EDI001
Mitutoyo Corporation digital meter model “TD-S551D1 216-452”, full scale 5500 mm	FT364

Method

Normative reference	Activity	Description
clause 4.1 of standard UNI EN 13561:2015	reference class test load	$p_S = p_{N\text{-}Co>20\%} \cdot \gamma$ where: p_N = threshold value of nominal test pressure, in N/m^2, corresponding to the class considered in accordance with table 1 of standard UNI EN 13561:2015 Co = openness coefficient of the fabric γ = 1,2 (coefficient of transition from the nominal loads to the safety loads)

Normative reference	Activity	Description
clause 7.4 of standard UNI EN 1932:2013	wind load resistance	load method 3: - applying direct nominal pressure "p_s", for at least 2 min - releasing and inspecting; - applying reverse safety pressure "-p_s", for at least 2 min, releasing and inspecting;
	drop test	not applicable

Environmental conditions

Temperature	(26 ± 2) °C
Relative humidity	(56 ± 5) %

Results

Load method*	3
Width "L"	1,0 m
Height "H"	1,5 m
Customer-stated openness coefficient "Co"	65 %

(*) secondo il paragrafo 5 della norma UNI EN 1932:2013.

Wind load resistance test

Applied load "p_s" [Pa]	Side	Result*
46	outer	complying
-46	inner	complying

(*) According to clause 7.4.6 "Performance criteria" of standard UNI EN 1932:2013 there shall be no:
- tearing in fabric;
- breakage (stitching, guiding pins..);
- permanent deformations (profiles, rails, roller tube..);
- exit from guide rails.

Photograph of the item while testing

Findings

Test type	Test reference	Class reference	Class*
wind load resistance	UNI EN 1932:2013	UNI EN 13561:2015	**3**

(*) The classification has been determined on the basis of the values obtained by measurements in line with clause 4.2.1 "Decision Rules" of ILAC-G8:09/2019 guide "Guidelines on Decision Rules and Statements of Conformity", having satisfied the requirements on measurements and apparatus defined in the reference normative documents.

Chief Test Technician
(Dott. Ing. Paolo Bertini)

Head of
Security and Safety Laboratory
(Dott. Andrea Bruschi)

ANNEX "A"
TO TEST REPORT No. 399061

Customer

IDECO ARGYRIS PAPADOPOULOS S.A.

Road Veria-Thessaloniki, 10th km - 59100 VERIA - Greece

Item*

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item technical documentation

(*) according to that stated by the customer.

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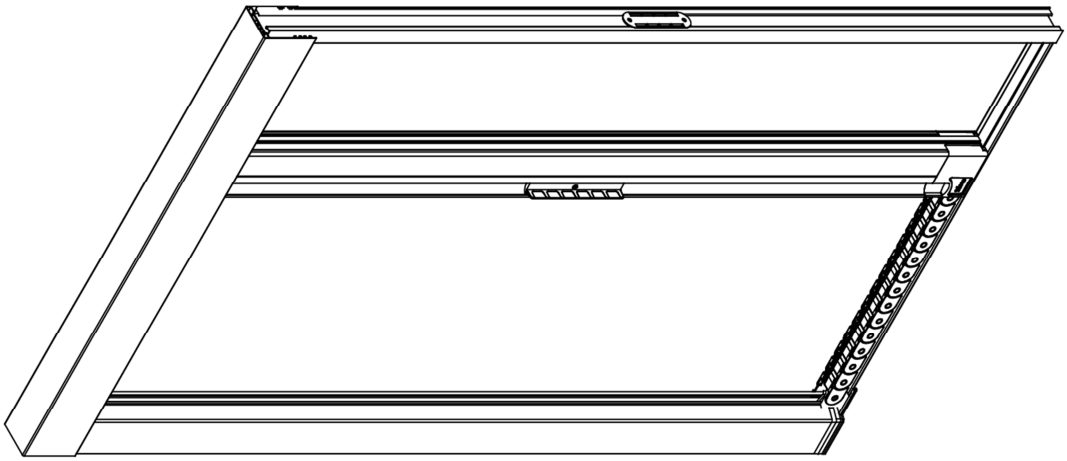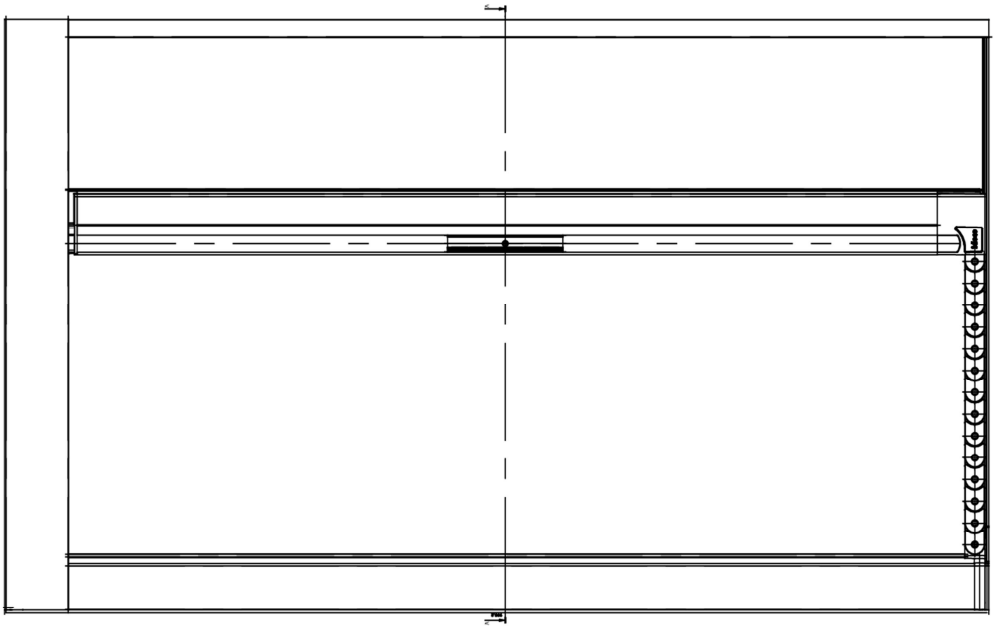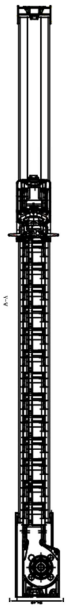
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