



Ecotent® Folding Gazebos

 **Certificates**

ZINGERLE GROUP

MASTERTENT

ECOTENT

RUKU1952

ZINGERLE GROUP SpA
Via Foerche, 7
I-39040 Naz-Sciaves (BZ)

www.zingerle.group

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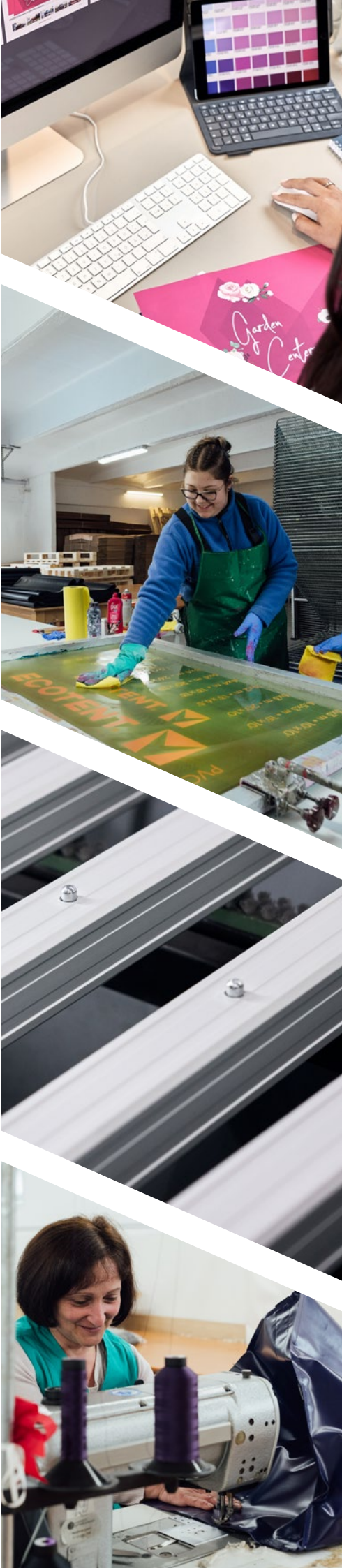


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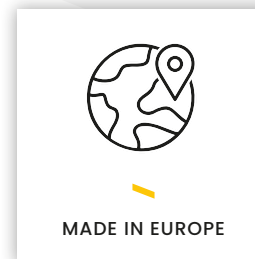
Why Ecotent®?

Seven good reasons why to choose us:

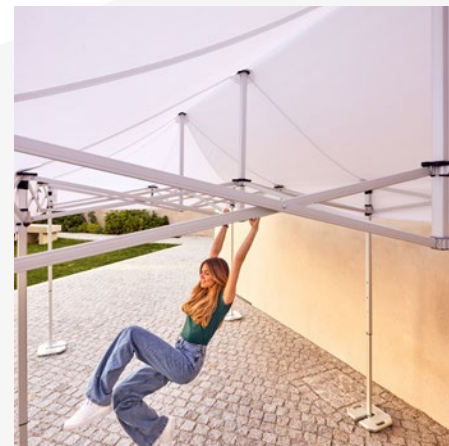
1. In-house product development and production in South Tyrol, Italy.
2. High product quality and wide product range.
3. Sustainable company management in the third generation.
4. Individual customer support on site thanks to global sales structures.
5. Fast delivery, reliable and worldwide.
6. International certifications and patents.
7. In-house graphics department for your customised product.



MANUFACTURER



MADE IN EUROPE



When do we check the quality of our folding gazebos?

After each work step.

Who else checks their quality? Numerous official testing authorities such as TÜV-SÜD or engineering offices worldwide.

Warranties:

Thanks to all the quality checks we guarantee with a clear conscience:

- 5-year manufacturer's warranty on material and production defects of the aluminium structure.
- Lifetime warranty against corrosion of the aluminium structure.*
- 15-year availability of all spare parts of the aluminium structure

*special cases reserved (such as frequent use of the folding gazebo near the sea)

Certificates and Test Reports

ZERTIFIKAT ♦ CERTIFICATE ♦ 認證書 ♦ CERTIFICADO ♦ CERTIFICAT



CERTIFICATE

No. B 046481 0017 Rev. 00

Holder of Certificate: ZINGERLE GROUP AG
Förche 7
39040 Natz-Schabs (BZ)
ITALY

Certification Mark: 

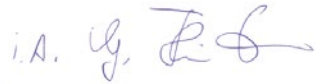
Product: Pavilion
Foldable pavillion

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 028-713182235-002

Valid until: 2025-06-08

Date, 2020-06-30


(Gerhard Hintereder)

Page 1 of 2
TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany





Efectis Nederland BV
P.O. Box 554 | 2665 ZN Bleiswijk
Brandpuntlaan Zuid 16 | 2665 NZ Bleiswijk
The Netherlands
+31 88 3473 723
nederland@effectis.com

CLASSIFICATION

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018

Classification no.	2022-Efectis-R000644
Sponsor	Zingerle Group AG Förche 7 39040 NAZ / SCIAVES (BZ) ITALY
Product name	Oxford 500D
Prepared by	Efectis Nederland BV
Notified body no.	1234
Author(s)	M.S.R. Elsayed B.Sc. A.H.L.M. Zwinkels B.Sc. A.J. Lock
Project number	ENL-22-000027
Date of issue	May 2022
Number of pages	6

3. CLASSIFICATION AND FIELD OF APPLICATION

3.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

3.2 CLASSIFICATION

The product, **Oxford 500D**, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

Reaction to fire classification: B – s1, d0

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Efectis Nederland BV
2022-Efectis-R000491
May 2022
Zingerle Group AG

CLASSIFICATION

3.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	0.20 mm
Surface density	225 g/m²
Other properties	Pes fabric and PU coating

This classification is valid for the following end use applications:

Substrate	Not applicable
Application	Free hanging
Air gap	Yes
Methods and means of fixing	Mechanically
Colour range	All colours
Joints	Not applicable
Other aspects of end use conditions	None Closed surface, no openings, or gaps between components

3.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

4. LIMITATIONS

This classification document does not represent type approval or certification of the product.

M.S.R. Elsayed B.Sc.
Project leader Reaction to Fire

A.H.L.M. Zwinkels B.Sc.
Project leader Reaction to Fire

A.J. Lock
Manager Testing Reaction to Fire

This report consists of six pages and may only be used in its entirety.

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CLASSIFICATION

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018

Classification no.	2022-Efectis-R000491
Sponsor	Zingerte Group AG Förche 7 39040 NAZ / SCIAVES (BZ) ITALY
Product name	Oxford 250D
Prepared by	Efectis Nederland BV
Notified body no.	1234
Author(s)	M.S.R. Elsayed B.Sc. A.H.L.M. Zwinkels B.Sc. A.J. Lock
Project number	ENL-22-000027
Date of issue	May 2022
Number of pages	5

3. CLASSIFICATION AND FIELD OF APPLICATION

3.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

3.2 CLASSIFICATION

The product, **Oxford 250D**, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

Reaction to fire classification: B – s1, d0

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2022-Efectis-R000491
May 2022
Zingerte Group AG

CLASSIFICATION

3.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	0.12 mm
Surface density	145 g/m ²
Other properties	Pes fabric and PU coating

This classification is valid for the following end use applications:

Substrate	Not applicable
Application	Free hanging
Air gap	Yes
Methods and means of fixing	Mechanically
Colour range	All colours
Joints	Not applicable
Other aspects of end use conditions	None Closed surface, no openings, or gaps between components

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CLASSIFICATION

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018

Classification no.	2022-Efectis-R000841
Sponsor	Zingerle Group AG Förche 7 39040 NAZ / SCIAVES (BZ) ITALY
Product name	PVC 400gr
Prepared by	Efectis Nederland BV
Notified body no.	1234
Author(s)	M.S.R. Elsayed B.Sc. E.O. van der Laan M.Sc. A.J. Lock
Project number	ENL-22-000027
Date of issue	July 2022
Number of pages	6

3. CLASSIFICATION AND FIELD OF APPLICATION

3.1 REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with clause 11 of EN 13501-1:2018.

3.2 CLASSIFICATION

The product, **PVC 400gr**, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets / particles is:

d0

Reaction to fire classification: B – s2, d0

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Efectis Nederland BV
2022-Efectis-R000491
May 2022
Zingerle Group AG

CLASSIFICATION

3.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	0.25 mm
Surface density	400 g/m ²
Other properties	All colours

This classification is valid for the following end use applications:

Substrate	Not applicable
Application	Free standing
Methods and means of fixing	Mechanically
Joints	Not applicable
Other aspects of end use conditions	Closed surface, no openings, or gaps between components

3.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

4. LIMITATIONS

This classification document does not represent type approval or certification of the product.

M.S.R. Elsayed B.Sc.
Project leader Reaction to Fire

E.O. van der Laan M.Sc.
Project leader Reaction to Fire

A.J. Lock
Manager Testing Reaction to Fire

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Test Report

No.: SDHGR123444kjjoàà

Date: Sep.12, 2017

Page 1 of 5

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description	: SUPER CLEAR PVC FILMS
Country of Destination	: EUROPE
Test Requested	: NF P 92-507:2004 Fire safety-building-interior fitting materials-Classification according to their reaction to fire
Sample Receiving Date	: Sep.12,2017
Test Performing Date	: Sep.12, 2017 to Sep.16,2017
Test Result(s)	: For further details, please refer to the following page(s)
Conclusion	: Classification Super clear PVC film: M2

Note: The classes with their corresponding fire performance are given in Annex I.

Signed for and on behalf of
SGS-CSTC Co., Ltd.



Jack Yao
Approved signatory

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and_conditions.htm and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions. If any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To ensure the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755)85071443, or email: CN.Doccheck@sgs.com

SDHG

SGS (Shanghai) Inspection & Certification Co., Ltd. | 15/F Building, Sanyuanli Industrial Park, 1 Sanyuanli Road, Yantao District, Shanghai, China | 201313 | T: (86-757)22805888 | F: (86-757)22805858 | www.cn.sgs.com
 中国广东·佛山顺德区大良街道办事处长沙路1号15楼 邮编: 528333 | T: (86-757)22805888 | F: (86-757)22805858 | sgs.china@sgs.com



CENTRO TESSILE COTONIERO E ABBIGLIAMENTO S.p.A.
 Piazza Sant' Anna 2
 21052 Busto Arsizio VA, Italy

CERTIFICATE

The Company

JK Group Spa
 SP 32 Novedrate 33
 22060 Novedrate CO, ITALY

is granted authorisation according to ECO PASSPORT by OEKO-TEX® to use the OEKO-TEX® mark



17EP00002 CENTROCOT

Textile and leather chemicals. Tested and verified.
www.oeko-tex.com/ecopass



for the following chemical products

Product(s): See attached enclosure
Category: Pigments and inks

Supporting documents

- Declaration of conformity in accordance with EN ISO 17050-1 included in ECO PASSPORT by OEKO-TEX® Terms of Use.
- Analytical test report number: 19RA09920
- RSL Screening Report
- Detailed information about the components and safety data sheets of the chemical products mentioned above.

The above captioned product(s) can be used for the production of human-ecological optimized textiles & leathers. The combined results of the reports mentioned above reveal that there is no harmful effect on the human and environmental health of the textiles & leathers treated/finished with the above mentioned products. This evaluation used the test methods and requirements of the ECO PASSPORT by OEKO-TEX® that were in force at the time of the evaluation date. ZDHC MRL Conformance Level 1 is achieved for certified product(s) without restriction(s).

Busto Arsizio, 19.07.2019



Chiara Salmoiraghi
 OEKO-TEX® Certification Scheme Manager
 CENTROCOT

OEKO-TEX® Association | Genferstrasse 23 | P.O. Box 2006 | CH-8027 Zurich

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ZINGERLE
GROUP

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RUKU1952

Declaration regarding the REACH Regulation

Dear Sir or Madam,

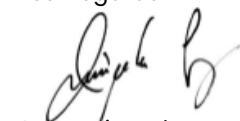
The European Chemicals Agency ECHA has published a Candidate List of substances of very high concern for Authorisation that met the criteria of Article 57 of the REACH regulation, in accordance with Article 59(10) of the REACH Regulation (http://echa.europa.eu/chem_data/candidate_list_table_en.asp).

By the present letter we confirm that none of the substances contained in the "candidate list" are used for our products.

Our company also does not import any of the mentioned substances in a ratio of more than 1t/year. As a trading company, it is our duty to ensure that our suppliers also comply with the REACH regulation. We have obtained and received information on this from all suppliers.

As stated in the safety data sheets, we rely on the information provided by our suppliers regarding information and risk control. We commit ourselves to inform our customers about changes at any time in order to guarantee the safety of the products distributed by us.

Best regards



Georg Zingerle
CEO ZINGERLE GROUP AG



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titv

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ITALIEN

Textilforschungsinstitut
Thüringen-Vogtland e. V.
Akkreditierte Prüfstelle

Zeulenrodaer Str. 42
07973 Greiz - Germany

Prüfbericht Nr. 509/16

Seite 1 von 2 Seiten

Klob/Pie

03.08.2016

Tel.: 03661-611305,
e-Mail: u.klobes@titv-greiz.de

Auftraggeber:	Herr G. Silgoner
Auftragstermin:	20.07.2016
Probeneingang:	01.08.2016
Probenmaterial:	2 Muster Probe 1: OXF250 Probe 2: OXF500
Prüfauftrag:	Bestimmung des UV-Schutzfaktors UPF nach DIN EN 13758-1
Probenahme:	durch Auftraggeber
Probenvorbereitung/ Prüfverfahren:	DIN EN 13758-1 Schutzeigenschaften gegen ultraviolette Sonnenstrahlung; Teil 1 (DIN EN 13758-1): Prüfverfahren für Bekleidungstextilien (akkreditiertes Prüfverfahren)
Analysendatum:	01.08. – 03.08.2016
Analysenergebnisse:	Seite 2 und Anlagen

Durch die DAkkS
Deutsche Akkreditierungsstelle GmbH
akkreditiertes Prüflaboratorium

In der Anlage zur Akkreditierungsurkunde sind alle akkreditierten Prüfverfahren aufgeführt. Auf Wunsch wird die Urkunde zugestellt.



Kreisgericht Greiz VR 206
Gerichtssitz Greiz

Geschäftsführender Direktor:
Dr. Uwe Möhring

Tel.: +49 36 61/6 11-0
Fax: +49 36 61/6 11-2 22

mail@titv-greiz.de
www.titv-greiz.de

Sparkasse Greiz-Greiz
(BLZ 830 500 00)
Kto. 609181

BIC: HELADEF1GER
IBAN: DE70 8305 0000 0000 6081 81

Deutsche Kreditbank AG (DKB)
(BLZ 120 300 00)
Kto. 1005364438

BIC: BYLADEM33HAN
IBAN: DE88 1203 0000 1005 3644 58

Entnahme der Messproben:

Aus der Probe wurden 6 Messproben (je 5 x 4 cm²) zur Klimatisierung entnommen.

Ergebnisse:

Proben-Nr.	Probenbezeichnung	UVA in %	UVB in %	UPF-Mittelwert	UPF der Probe*
1	OXF250	0,9	< 0,1	786	> 50
2	OXF500	< 0,1	< 0,1	9301	> 50

* Entsprechend der Norm ist bei einem UPF-Mittelwert größer als 50 nur ein „UPF > 50“ anzugeben.

Die Einzelwerte der Messung sind in der Anlage enthalten.

Beide Materialien weisen einen UPF > 50 auf.

Das o. g. Ergebnis bezieht sich aber nur auf das jeweilige Material selbst. Bei Sonnenschirmen kann das Licht, das von der Seite unter den Schirm fällt und das vom Boden reflektiert wird, nicht eingeschätzt werden.

Die Prüfergebnisse beziehen sich ausschließlich auf die Proben im Anlieferungszustand.

Ohne schriftliche Genehmigung der Prüfstelle darf der Bericht nicht auszugsweise vervielfältigt werden.

Ulrike Klobes

Dr. Ulrike Klobes
Leiter der Prüfstelle

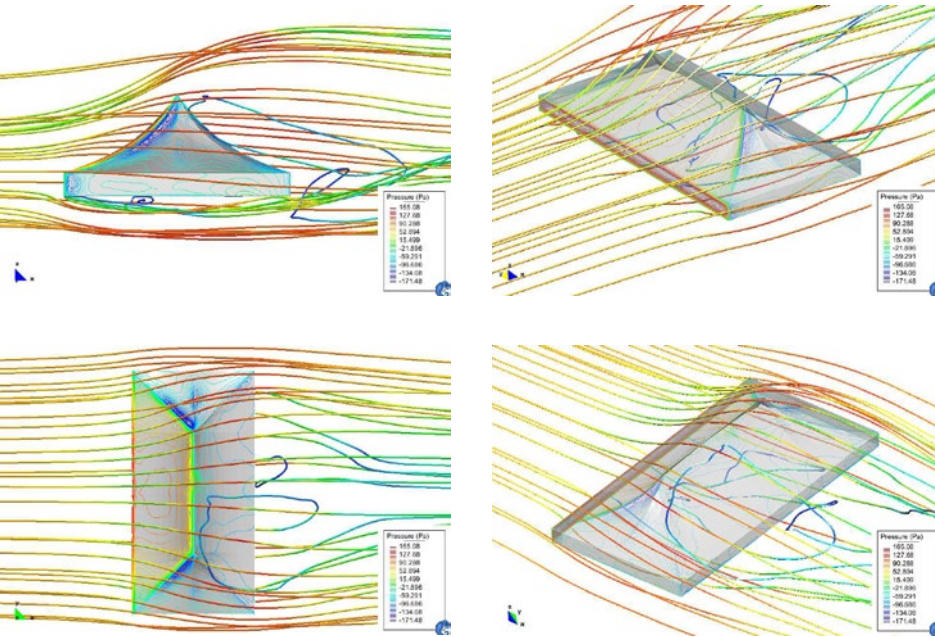


ANALYSIS OF GAZEBOS ACCORDING TO EN1990 + EN1991-1-4

ZNG-107-DC105_REV2_ENG

1 INTRODUCTION

The following document aims to study Mastertent S.p.A gazebos to define limit velocities for various counterweight configurations. The limit velocities are to be considered as "3-sec gust" peak velocity measured at 2m height close to the gazebo. The sliding stability of the gazebo is guaranteed below the limit velocity according to EN 1990 and EN 1991-1-4. The main step of the analysis are shown in the following.



Note that the document does not cover the structural capacity check of the gazebos.

2 SAFETY ASSESSMENT

The hypotheses of the analytical model are modified slightly to be in accordance with EN 1990 and EN 1991-1-4 and cover a wider range of usage.

The basic hypotheses are:

- De-stabilizing loads (wind) are multiplied by $\gamma_Q = 1.5$ whereas stabilizing loads (self-weight + counterweight) are multiplied by $\gamma_G = 0.9$, in accordance to EN 1990
- Wind exposition:
 - Obstructed wind flow ($\phi = 1$), as shown in Figure 2, in accordance with EN 1991-1-4
 - Suction wind load as shown in Figure 3, in accordance to EN 1991-1-4
 - Force coefficients coherent with the above-mentioned hypotheses, as shown in Figure 4, in accordance to EN 1991-1-4
 - Two possible wind load angles: $\theta=0^\circ$ and $\theta=45^\circ$
- In accordance with literature values, Static friction coefficient between steel and concrete = 0.3

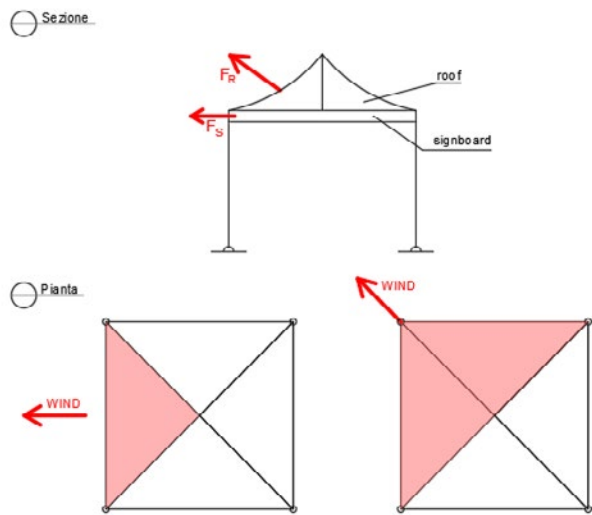


Figure 1 Force application

To define wind force coefficient, the gazebo roof is treated like a “duopitch roof”, whereas the signboard is treated like a “signboard”.

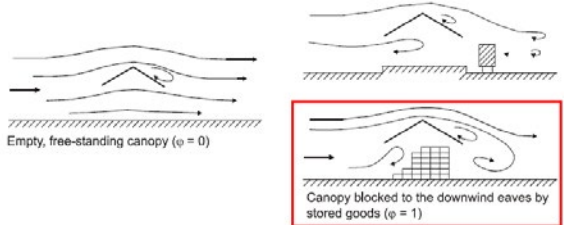


Figure 2 Wind flow (extracted by EN 1991-1-4)

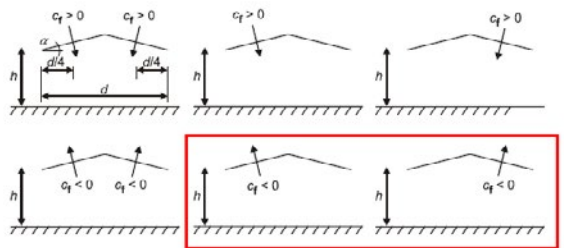


Figure 3 Wind load on duopitch roof (extracted by EN 1991-1-4)

Net pressure coefficients $c_{p,net}$						
Key plan						
Roof angle α [°]	Blockage ϕ	Overall Force Coefficient c_r	Zone A	Zone B	Zone C	Zone D
+ 25	Maximum all ϕ	+ 0,7	+ 1,2	+ 1,9	+ 1,6	+ 0,5
	Minimum $\phi = 0$	- 1,0	- 1,4	- 1,9	- 1,4	- 2,0
	Minimum $\phi = 1$	- 1,3	- 1,4	- 2,0	- 1,5	- 2,0
+ 30	Maximum all ϕ	+ 0,9	+ 1,3	+ 1,9	+ 1,6	+ 0,7
	Minimum $\phi = 0$	- 1,0	- 1,4	- 1,9	- 1,4	- 2,0
	Minimum $\phi = 1$	- 1,3	- 1,4	- 1,8	- 1,4	- 2,0
NOTE + values indicate a net downward acting wind action - values represent a net upward acting wind action						

(1) For signboards separated from the ground by a height z_g greater than $h/4$ (see Figure 7.21), the force coefficients are given by Expression (7.7):

$$c_r = 180$$

(7.7)

Expression (7.7) is also applicable where z_g is less than $h/4$ and $b/h \leq 1$.

Figure 4 Table of c_r (extracted by EN 1991-1-4)

3 FINAL RESULTS

The final results are reported in the following. They are in accordance with EN 1990 and EN 1991-4 and with the hypotheses of § 2.
The values of the velocities are “3-sec gust” peak velocities measured at 2m height close to the gazebo.

Moreover, for some models of gazebo are reported the value of tension in the tensioning straps for wind velocity of 60 – 100 km/h. These values are needed to design the tensioning straps and the anchors. Note that it is assumed that the tensioning straps are installed with an angle of 45° in both the horizontal and vertical plane and in correspondence of each of the legs of the gazebo.

S1

MODEL	VELOCITY			COUNTERWEIGHT	TENSION
	km/h	m/s	knots	kg	kg
3x3	13.0	3.6	7.0	0	-
	28.8	8.0	15.5	28	-
	38.5	10.7	20.8	56	-
	46.2	12.8	24.9	84	-
	75.0	20.8	40.5	84	200
	100.0*	27.8	53.9	84	360
4x4	11.9	3.3	6.4	0	-
	22.8	6.3	12.3	28	-
	30.1	8.4	16.2	56	-
	35.9	10.0	19.4	84	-
	75.0	20.8	40.5	84	400
	100.0*	27.8	53.9	84	600
4,5x3	13.0	3.6	7.0	0	-
	25.1	7.0	13.5	28	-
	33.0	9.2	17.8	56	-
	39.4	11.0	21.2	84	-
	75.0	20.8	40.5	84	350
	100.0*	27.8	53.9	84	490
5x5	11.0	3.1	5.9	0	-
	18.2	5.1	9.8	28	-
	23.3	6.5	12.6	56	-
	27.5	7.6	14.8	84	-
	31.1	8.6	16.8	112	-
	60.0*	16.7	32.3	112	360
6x3	13.3	3.7	7.2	0	-
	26.6	7.4	14.4	28	-
	30.0	8.3	16.2	56	-
	42.2	11.7	22.8	84	-
	60.0*	16.7	32.3	84	110
6x4	11.2	3.1	6.0	0	-
	20.0	5.5	10.8	28	-
	25.9	7.2	13.9	56	-
	30.7	8.5	16.5	84	-
	60.0*	16.7	32.3	84	290
8x4	11.5	3.2	6.2	0	-
	20.8	5.8	11.2	28	-
	23.4	6.5	12.6	56	-
	32.3	9.0	17.4	84	-
	60.0*	16.7	32.3	84	350

* do not use for higher velocities

S2

MODEL	VELOCITY			COUNTERWEIGHT	TENSION
	km/h	m/s	knots	kg	kg
3x3	13.0	3.6	7.0	0	-
	28.8	8.0	15.5	28	-
	38.5	10.7	20.8	56	-
	46.2*	12.8	24.9	84	-
4,5x3	13.0	3.6	7.0	0	-
	25.1	7.0	13.5	28	-
	33.0	9.2	17.8	56	-
	39.4*	11.0	21.2	84	-
6x3	13.3	3.7	7.2	0	-
	26.6	7.4	14.4	28	-
	30.0	8.3	16.2	56	-
	42.2*	11.7	22.8	84	-

* do not use for higher velocities

The reported values guarantee the sliding capacity of the gazebo, i.e. the value of the counterweight / strength of the anchors needed to satisfy the sliding check.
The structural check of the gazebo for the velocities of 60 – 100 km/h is out of the scope of this report and has not been tested during experimental test of 18/01/2019.

4 CONCLUSIONS

The results shown in §3 are in accordance with the European structural codes EN 1990 and EN 1991-4.
The reported velocities are “3-sec gust” peak velocities measured at 2m height close to the gazebo.
In the analysis are considered:

- Safety factors according to the above-mentioned codes
- Variability of the wind direction
- Variability of the wind flow close to the gazebo
- Surface of ground made of dry concrete or dry asphalt

Owing to this, the results are valid for a wide range of utilization situations.
Using appropriate tensioning straps anchored to the ground it is possible, for some of the models, to resist to the sliding up to a wind velocity of 100 km/h.
It is underlined that **the anchors capacity has to be evaluated case by case** as a function of the type of anchors, deep of anchorage, material strength and type of anchoring ground.
The results are valid for gazebo without lateral cover.
The structural checks of the gazebo are out of the scope of this report.

Static calculation

In accordance with EN 13782: Temporary structures - Tents - Safety

OBJECT:	ECOTENT E1 folding gazebos according to DIN EN 13782 with dimensions 3x3 m, 4.5x3 m, 6x3 m, 4x4 m, 6x4 m and 8x4 m.
CLIENT:	ZINGERLE GROUP SpA Via Foerche 7 I-39040 Naz-Sciaves
PLANNING:	ZINGERLE GROUP SpA Via Foerche 7 I-39040 Naz-Sciaves
EXECUTION:	ZINGERLE GROUP SpA Via Foerche 7 I-39040 Naz-Sciaves

The calculation was made in July 2023 by the Strauch engineering office.

Groß-Gerau - Germany, 03.07.2023



Dipl.-Ing. W. Strauch Engineers - Mainzer Str. 29 - D-64521 Groß-Gerau
tel. 06152/93030 - fax. 06152/930319
email: kontakt@ingenieur-strauch.de - website: www.ingenieur-strauch.de
Engineering office for consulting, planning, construction and statics in civil engineering
Partnership under civil law - place of jurisdiction is Groß-Gerau
Owner: Dipl.-Ing. (FH) Naser Vujčić - Dipl.-Ing. Werner Strauch.

GENERAL

The following static calculation deals with transportable folding gazebos with an aluminium construction of the company ZINGERLE GROUP SPA, Via Foerche 7, I-39040 Naz-Sciaves.

The folding gazebos are intended for temporary use.

The following versions are available:

- 3x3 m, 4.5x3 m and 6x3 m, each with 2.40 m side height and 3.30 m overall height,
- 4x4 m, 6x4 m and 8x4 m, each with 2.55 m side height and 3.90 m overall height,

The main supporting element is a frame construction made of aluminium profiles. The horizontal cross beams and longitudinal beams are designed as foldable scissor beams. The cross beams and longitudinal beams support the ridge poles in the centre of the tent, thus forming a high point. The supporting structure is covered with a tent tarpaulin. The construction is braced laterally from the eaves points.

Profiles and detail points can be taken from the following static calculation. The main supporting elements are made of aluminium of the alloys EN AW-6060 T6 and EN AW-6063 T66.

The tent tarpaulin was not examined statically, but the tensile forces (tarpaulin tension) resulting from the tarpaulin were included in the calculation of the construction.

The anchoring of the frames is done via ballast. The ballast was defined according to DIN EN 13782. When erecting the tent, it must be ensured that the ground corresponds to the ground assumed in the static calculation. If locally worse values are available, appropriate measures must be agreed with the structural engineer.

Stresses on the structure as a result of assembly and disassembly were not examined in this static calculation and must be clarified in individual cases.

The DIN EN 1090-2 regulation must be observed in the manufacture of steel constructions, especially in the execution of welded constructions.

The structural analysis was carried out in accordance with the currently valid DIN regulations, in particular DIN EN 13782, DIN EN 1991-1 and DIN EN 1999-1-1.

Dipl.-Ing. W. Strauch Engineers
Engineering office for consulting, planning, construction and statics in civil engineering
Mainzer Str. 29, D-64521 Groß-Gerau, Tel. 06152/93030

Results

Permissible wind load based on the tests.

a) Open sidewalls

variant	necessary H load [kN]	H load achieved [kN]	utilisation	available safety	ballast per support (for v = 80 km/h) [kN]	ballast per anchor point (for v = 80 km/h) [kN]	specifications according to DIN EN 13782 (qp = 0.30 kN/m², v = 80 km/h)
3x3 m	1,10	8,50	0,13	15,5	0,84	1,70	fulfilled
4,5x3 m	2,20	8,50	0,26	7,7	0,84	3,30	fulfilled
6x3 m	3,30	8,50	0,39	5,2	0,84	5,10	fulfilled
4x4 m	2,20	9,20	0,24	8,4	0,84	4,50	fulfilled
6x4 m	4,40	9,20	0,48	4,2	0,84	9,10	fulfilled
8x4 m	6,60	9,20	0,72	2,8	0,84	11,20	fulfilled

b) Closed sidewalls

variant	necessary H load [kN]	H load achieved [kN]	utilisation	available safety	ballast per support (for v = 80 km/h) [kN]	ballast per anchor point (for v = 80 km/h) [kN]	specifications according to DIN EN 13782 (qp = 0.30 kN/m², v = 80 km/h)
3x3 m	3,40	8,50	0,40	5,0	0,84	5,40	fulfilled
4,5x3 m	5,50	8,50	0,65	3,1	0,84	8,20	fulfilled
6x3 m	7,50	8,50	0,88	2,3	0,84	11,00	fulfilled
4x4 m	5,20	9,20	0,57	3,5	0,84	10,30	fulfilled
6x4 m	8,50	9,20	0,92	2,2	0,84	12,90	fulfilled
8x4 m	11,90	9,20	1,29	1,5	0,84	13,50	permissible qp = 0,23 kN/m² (v=70 km/h)

Italic values: Load from relevant variants 6x3 m and 8x4 m.

Tents with dimensions smaller than 3x3 m (smallest dimension: 1.5x1.5 m) were not calculated and must be anchored like the 3x3 m variant.

Example on the 3x3 m variant

PROFILES

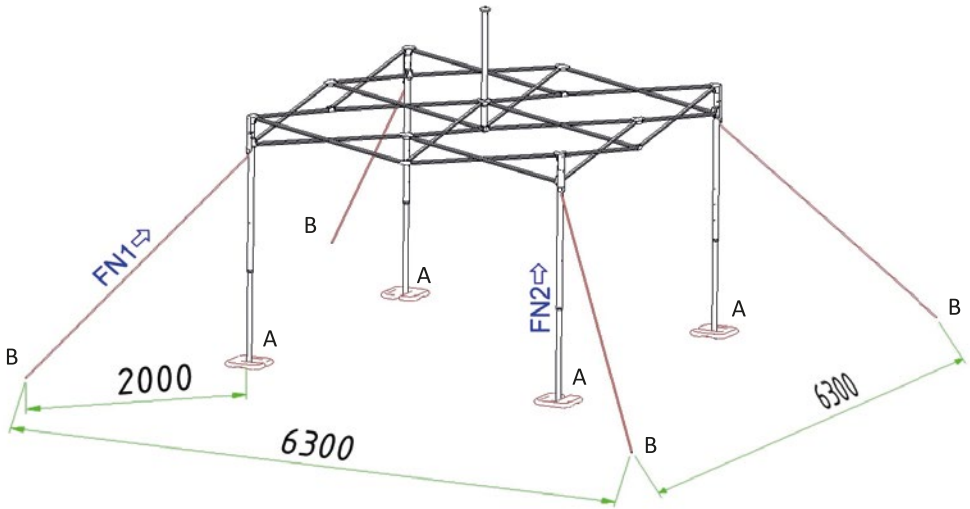
upright profile 46/46/2,45/1,95 EN AW-6060 T6
Foot Profile 37,8/37,8/1,75/1,3 EN AW-6060 T6
Stay Profile 30/15/2,8/0,8 EN AW-6063 T66
Ridge pole Profile 43/43/1,95/1,5 EN AW-6060 T6
Bracing Steel wire rope Ø 10 mm, EN 12385-4, 6x19 M-FC 1770
alternatively truck tensioning belt (with sufficient load-bearing capacity)

ANCHORING WITH BALLAST

per support (A): 0.84 kN (84 kg)

per anchorage point (B):

	v = 80 km/h	v = 65 km/h	v = 50 km/h
closed	5,40 kN (540 kg)	3,60 kN (360 kg)	2,10 kN (210 kg)
open	1,70 kN (170 kg)	1,10 kN (110 kg)	0,70 kN (70 kg)



SV Cert.




CERTIFICATE

No. 998-QMS-24

Hereby we certify that the Management System of

ZINGERLE GROUP SPA

Via Foerche, 7 - 39040 - Naz-Sciaves (Bolzano, Italia)

Operating Offices:

Via Foerche, 7 - 39040 - Naz-Sciaves (Bolzano, Italia)

Is according to:

Quality Management Systems

ISO 9001:2015

for the following scope:

Design and production of gazebos, banches and folding outdoor tables.

EA Code	First Issue Date	Date of modification	Certificate expiration date
EA 17	25/05/2021	20/05/2024	25/05/2027




For the Certification Body

SV Certification Sro



(Gaetano Spera CEO SV CERT.)

The validity of the certificate is subject to periodic annual surveillance and a complete review of the System every three years. The use and validity of this certificate are subject to compliance with the Certification Regulations of SV Certification..

SV CERTIFICATION Sro, HQ: Karadžičova 8A Bratislava

Mestská časť Ružinov 821 08 – SLOVAKIA

Info & Contact: svcertification.com – info@svgroupcert.ch

Certificate

For the Reforestation of Romanian Forests

The authority Composesorat Kozbirtokossag Zetea located in the commune of Zetea no. 272, county of Harghita

hereby confirms

the reforestation of 2.5 ha in 2021

in collaboration with Mastertent® Zingerle SpA located in Naz-Sciaves, Italy.

Many thanks for your support!




The president Szabó Imre





By participating in our dual system for recycling of sales packages, the company

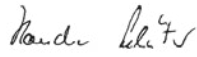
ZINGERLE GROUP Deutschland GmbH

89257 Illertissen

CONTRIBUTED TO THE FOLLOWING SAVINGS IN 2020:

CO ₂ equivalents	kg	4,469
Crude oil equivalents	kg	2,010
Phosphate equivalents	kg	6
Primary energy	MJ	335,241
Sulfur dioxide equivalents	kg	16

This quantity corresponds approximately to the CO₂-emissions filtered from the air by **4,469 m²** forest in one year.



Haucke Schlüter
Spokesman of the Board



Jörg Deppmeyer
Managing director





TEST REPORT

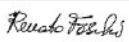
No. AI19-0035780-01

EMISSION AND IMMUNITY TESTS

performed in accordance with

- ☒ EN 61000-3-2:2014
- ☒ EN 61000-3-3:2013
- ☒ EN 61547:2009
- ☒ EN 55015:2013+A1:2015

PRODUCT	LED LINEAR LIGHT
MODEL TESTED	SWA1811
SERIES	/
TRADE MARK	MASTERTENT
APPLICANT	ZINGERLE S.P.A. – VIA FORCHE 7 – I-39040 NAZ SCIAVES (BZ)

Tested by	Foschi R. [Laboratory technician]	 Foschi R. 24/06/2019 9:53 AM
Approved by	Di Turi G. [Laboratory manager]	

Revision Sheet

Release No.	Date	Revision Description
Rev. 0	2019-06-21	First edition Digital signed_AI19-0035780-01_TR EMC_ZINGERLE_LED linear light_SWA1811

The results of tests and checks reported in this Test Report refer exclusively to the samples tested and described in the Report itself.
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B.U. PRODUCTS CONFORMITY ASSESSMENT – EMC & RADIO EQUIPMENT LABORATORY

Mod. TRF2176/2

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I-39042 Brixen

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Fax +39 0472 069 638
www.elektro-plaickner.it
info@elektro-plaickner.it



Elektro Plaickner Srl
Via Julius Durst, 66
Zona Industriale (KAMPAN)
39042 Bressanone (BZ)

BERICHT ÜBER DIE TYPOLOGIE DES VERWENDETEN MATERIALS RELAZIONE SULLA TIPOLOGIA DEGLI MATERIALI USATI

Anlage (schematische Beschreibung):
Cliente/Risorsa:

BELEUCHTUNG FALTZELTE

Der unterfertigte Plaickner Martin gesetzlicher Vertreter der Firma Elektro Plaickner GmbH
Il sottoscritto Plaickner Martin rappresentante legale della società Elektro Plaickner Srl

erklärt
dichiara

- ☒ dass das folgende Material verwendet wurde:
☒ che stato usato il seguente materiale :

Beleuchtung: illuminazione: DANIELLA - DELUX
Verschiedenes Material: Materiale vario:

Die installierten elektrischen Komponenten sind konform laut den Artikeln 5 und 6 des MD 37/08 nach den Regeln der Kunst.

I componenti elettrici installati nell'impianto sono conformi a quanto previsto dagli articoli 5 e 6 del DM 37/08 in materia di regola dell'arte.

- ☒ CE-Kennzeichnung/Marcatura CE
☒ Marke IMQ (oder andere UE-Marken)/Marchio IMQ (o altri marchi UE)

Datum/data: 17.06.2021

ELEKTRO PLAICKNER GMBH-SRL
Julius Durst Str. 66 - Via Julius Durst 66
39042 BRIXEN - BRESSANONE (BZ)
Tel. 0472 068311 - Fax 0472 069638
Mwst. Nr. = P. IVA 04652910465

(Firmenstempel und Unterschrift)



ERKLÄRT - DICHIARA	
eigenverantwortlich, dass die Anlage gemäß Artikel 11 der Durchführungsverordnung zur Handwerksordnung fachgerecht ausgeführt wurde, und zwar unter Berücksichtigung der für das Gebäude vorgesehenen Bedingungen und Nutzung, wobei insbesondere	
sotto la propria responsabilità, che l'impianto è stato realizzato in modo conforme alla regola dell'arte, secondo quanto previsto dall'articolo 11 del regolamento di esecuzione dell'ordinamento dell'artigianato, tenuto conto delle condizioni d'esercizio e degli usi a cui è destinato l'edificio, avendo in particolare:	
☐	das gemäß Art. 10 der Durchführungsverordnung zur Handwerksordnung ausgearbeitete Projekt folgender Firma eingehalten wurde: (3) rispettato il progetto redatto dalla ditta ai sensi dell'art. 10 del regolamento di esecuzione dell'ordinamento dell'artigianato:
☒	die anzuwendenden technischen Vorschriften eingehalten wurden (4) CEI 64/8 seguito la normativa tecnica applicabile all'impiego
☒	Bauteile und Materialien verwendet wurden, die für den Installationsort geeignet sind (Artikel 10 und 11 der Durchführungsverordnung zur Handwerksordnung) installato componenti e materiali adatti al luogo d'installazione (artt. 10 e 11 del regolamento di esecuzione dell'ordinamento dell'artigianato)
☒	eine positive Sicherheits- und Funktionsprüfung der Anlage gemäß den einschlägigen Rechtsvorschriften erfolgt ist controllato l'impianto ai fini della sicurezza e della funzionalità con esito positivo, avendo eseguito le verifiche richieste dalle norme e dalle disposizioni di legge
Pflichtanlagen - Allegati obbligatori	
☐	Projekt eines befähigten Technikers gemäß Art. 10 und 12 der Durchführungsverordnung zur Handwerksordnung (5) Progetto di un tecnico abilitato ai sensi degli artt. 10 e 12 del regolamento di esecuzione dell'ordinamento dell'artigianato
☒	Technischer Bericht über die verwendeten Materialien (6) Relazione tecnica delle tipologie di materiali utilizzati
☐	Skizze der realisierten Anlage (7) schema di impianto realizzato
☐	Vorhergehende Konformitätserklärungen, die sich auf die ganze Anlage oder auf Teile davon beziehen (8) Dichiarazioni di conformità precedenti o parziali già esistenti
Fakultative Anlagen - Allegati facoltativi	
Die Anlage hat einen maximale Anschlussleistung von 100 KW (380V+N) ☐ L'impianto ha una massima potenza elettrica massima impegnabile di 100 KW (380V+N)	
☐	
Der/Die Erklärende haftet nicht für Personen- und Sachschäden, die durch falsche Handhabung der Anlage von Seiten Dritter oder durch mangelhafte Wartung oder Reparatur verursacht werden.	Il/La dichiarante declina ogni responsabilità per sinistri a persone o a cose derivanti da manomissioni dell'impianto da parte di terzi ovvero da carenze di manutenzione o riparazione.
ELEKTRO PLAICKNER GMBH-SRL Julius Durst Str. 66 - Via Julius Durst 66 39042 BRIXEN - BRESSANONE (BZ) Tel. 0472 068311 - Fax 0472 069638 Mwst. Nr. = P. IVA 04652910465 Stempel und Unterschrift des technisch Verantwortlichen Timbro e firma del responsabile tecnico Für interne technische Büros: der gesetzliche Vertreter des Unternehmens Per uffici tecnici interni: il legale rappresentante dell'impresa Datum 17.06.2021 Data ELEKTRO PLAICKNER GMBH-SRL Julius Durst Str. 66 - Via Julius Durst 66 39042 BRIXEN - BRESSANONE (BZ) Tel. 0472 068311 - Fax 0472 069638 Mwst. Nr. = P. IVA 04652910465 Stempel und Unterschrift des/der Erklärenden Timbro e firma del/della dichiarante	

Bauaufsichtlich anerkannte Prüf-, Überwachungs- und Zertifizierungsstelle
Prüfstelle für Feuerlöschmittel und -geräte
DIN EN ISO/IEC 17025 D-PL-17819-01-00
DIN EN ISO/IEC 17065 D-ZE-17819-01-00
DIN EN ISO/IEC 17020 D-IS-17819-01-00
ZLS-GS-0130
Notified Body no. 0767



Prüfzeugnis Test certificate

Nr./No. 20201103/01.1

Auftraggeber:
Sponsor: ZINGERLE GROUP AG
Förche 7
39040 Natz-Schabs; Italien

Hersteller:
Manufacturer:

Produktname:
Product name: Firelock

Inhalt:
Content: Prüfung des Brandverhaltens nach DIN 4102-1:1998-05 zum Nachweis der Baustoffklasse B1
reaction to fire test acc. to DIN 4102-1:1998-05 to the proof of the building material class B1

Erstellt von:
Prepared by: MPA Dresden GmbH
Fuchsmühlenweg 6 F
09599 Freiberg; Deutschland

Akkreditierte Prüfstelle nach DIN EN ISO/IEC 17025
Accredited testing laboratory acc. to DIN EN ISO/IEC 17025
D-PL-17819-01-00

Ausgabe/Datum:
Issue/date: 1. Ausgabe vom 04.11.2020
First issue dated 2020-11-04

Berichtsumfang:
This report comprises: 10 Seiten und 1 Anlage
10 pages and 1 annex

Hinweis:
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The test certificate is produced bilingual (German and English). In case of doubt the German wording is valid.

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USt-IdNr. DE291271296

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09599 Freiberg
IBAN DE68 870520003115024672
BIC MIFL33HAN

1/2

EXCERPT

Prüfzeugnis Nr. (test certificate no.) 20201103/01.1 vom (dated) 04.11.2020

1 Allgemeines General information

Produktname:
Product name: Firelock

Prüfungsumfang:
Extent of testing: Prüfung des Brandverhaltens nach DIN 4102-1:1998-05¹ Abschnitt 6.1
Reaction to fire test acc. DIN 4102-1:1998-05¹ paragraph 6.1

Prüfungsgrundlagen:
Test basis: - DIN 4102-1:1998-05
- DIN 4102-15:1990-05² und/and DIN 4102-16:2015-09³
- Zulassungsgrundsätze für den Nachweis der Schwerentflammbarkeit von Baustoffen (Baustoffklasse B1 nach DIN 4102-1:1998-05) in der zur Zeit gültigen Fassung
Principles of permission for the proof of the flame-retardance from building materials (building material class B1 according to DIN 4102-1:1998-05) in the at present valid version

5 Beurteilung Evaluation

Alle Proben bestanden die Brennkastenprüfung nach DIN 4102-1:1998-05 Abschnitt 6.2 für die Baustoffklasse B2.
All samples passed the "small flame test" acc. to DIN 4102-1:1998-05 section 6.2 for the building material class B2.

Die Brandschachtprüfung nach DIN 4102-1:1998-05 Abschnitt 6.1.2.2 wurde von den Proben bestanden. Auf die Durchführung weiterer Versuche wurde verzichtet, da die Restlänge bei allen Proben > 45 cm betrug.
The "Brandschachtprüfung" acc. to DIN 4102-1:1998-05 sec. 6.1.2.2 was existed by the samples. Further tests were not made because the remaining length for all samples was > 45 cm.

Es fielen keine Probenteile brennend ab. Damit gilt das Produkt nach DIN 4102-1:1998-05 und DIN 4102-16:2015-09 als nicht brennend abtropfend.
Sloping parts were not burning. The material is regarded as not burning dripping off according to DIN 4102-1:1998-05 and DIN 4102-16:2015-09.

Damit genügt der in den Abschnitten 1 und 2 beschriebene Baustoff den Anforderungen an schwerentflammbare Baustoffe der Baustoffklasse B1 nach DIN 4102-1:1998-05.
Thus the building material described in the sections 1 and 2 is sufficient for the requirements to flame resistant building materials of the building material class B1 according to DIN 4102-1:1998-05.

Freiberg, den 04.11.2020

i.v. / A. Meißner
Dr.-Ing. A. Meißner
Prüfstellenleiter Brandschutz
Laboratory Manager



T. Großer
Dipl.-Ing. T. Großer
Prüfingenieur
Test Engineer

2/2

EXCERPT

IEC IECEE CB SCHEME Ref. Certif. No. PL1-369	
IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC	
CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC	
Product Produit	Radiant heater
Name and address of the applicant Nom et adresse du demandeur	TEO TERM Andrzej i Danuta Wrońscy Sp. j. ul. Wróbla 13, 05-807 Podkowa Leśna, Poland.
Name and address of the manufacturer Nom et adresse du fabricant	BURDA Worldwide Technologies GmbH Rudolf-Diesel-Str. 18, D-65760 Eschborn, Germany.
Name and address of the factory Nom et adresse de l'usine	TEO TERM Andrzej i Danuta Wrońscy Sp. j. ul. Wiejska 2D, 05-805 Otrębusy, Poland.
Note: When more than one factory, please report on page 2 Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2^{ème} page	☐ Additional Information on page 2
Ratings and principal characteristics Valeurs nominales et caractéristiques principales	230V~; 50Hz; 1000W; 1500W; 1650W; 2000W; IP24; IP44; IP67; class I
Trademark (if any) Marque de fabrique (si elle existe)	BURDA
Type of Manufacturer's Testing Laboratories used Type de programme du laboratoire d'essais constructeur	
Model / Type Ref. Ref. De type	See page 2
Additional information (if necessary may also be reported on page 2) Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2^{ème} page	☒ Additional Information on page 2
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 60335-1:2010+A1:2013 IEC 60335-2-30:2009
As shown in the Test Report Ref. No. which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat	BW/95/2015
This CB Test Certificate is issued by the National Certification Body Ce Certificat d'essai OC est établi par l'Organisme National de Certification	
PCBC S.A.	
Date: October 21, 2015	Signature: Michał Pachowski

IEC IECEE CB SCHEME Ref. Certif. No. PL1-369	
Model Ratings and principal characteristics	
URCA 100V; URCA 100VH; RCA 100; RCA 100H; URCAC 100V; URCAC 100VH; RCAC 100; RCAC 100H	230V~; 50Hz; 1000W; IP67; class I
URCA 150V; URCA 150VH; RCAS 150V; URCAC 150V; URCAC 150VH; RCACS 150V	230V~; 50Hz; 1500W; IP67; class I
URCA 165V; URCA 165VH; RCA 165; RCA 165H; URCAC 165V; URCAC 165VH; RCAC 165; RCAC 165H	230V~; 50Hz; 1650W; IP67; class I
URCA 200V; URCA 200VH; RCA 200V; RCA 200VH; RCAS 200V; URCAC 200V; URCAC 200VH; RCAC 200V; RCAC 200VH; RCACS 200V; PC URCA 200V; PC2 URCA 200V; PC URCAC 200V; PC2 URCAC 200V	230V~; 50Hz; 2000W; IP67; class I
URCA 01044V; URCA 01044VH; URCACS 01044V; URCACS 01044VH	230V~; 50Hz; 1000W; IP44; class I
URCA 01544V; URCA 01544VH; URCACS 01544V; URCACS 01544VH	230V~; 50Hz; 1500W; IP44; class I
URCA 02044V; URCA 02044VH; URCACS 02044V; URCACS 02044VH	230V~; 50Hz; 2000W; IP44; class I
URCA 01024V; URCA 01024VH	230V~; 50Hz; 1000W; IP24; class I
URCA 01524V; URCA 01524VH	230V~; 50Hz; 1500W; IP24; class I
URCA 02024V; URCA 02024VH	230V~; 50Hz; 2000W; IP24; class I
Additional information (if necessary) Information complémentaire (si nécessaire)	
Date: October 21, 2015 Signature: Michał Pachowski	

Chemical property in %

Alloy 6060	Cu max	Fe max	Mg	Si	Mn max	Zn max	Ti max	Cr max	Al
Theoretical results	- 0,10	- 0,35	0,45 0,38-0,5	0,45 0,38-0,5	- 0,1	- 0,1	0,10	0,10	rest

Physical property

Density: 2,70 kg/dm³ Melting temperature: 600 °C Specific heat with 100 °C: 0,22 cal/g-1°C-1 Caloric conductivity with 20 °C O: 0,42 cal/sec cm °C Ideal to anodize	Coefficient of linear expansion: 20 bis 100 °C 23 . 10 -6-°C -1 20 bis 200 °C 24 . 10 -6-°C -1 20 bis 300 °C 25 . 10 -6-°C -1 Specific electrical resistance with 20 °C: T6:3,25 µ W cm Elasticated module: 6700 Kg/mm 2
--	--

Aluminium alloy by extrusion

Physical state	O	F	T1	T5	T6
Mechanical properties Tensile strength R n/mm²	90-140	120-180	140-180	190-260	210-270
Yield strength n/mm²	50-80	70-120	80-140	150-210	170-230
Elongation in %	20-30	16-25	16-20	11-18	12-18
Physical properties Linear thermal expansion coefficient 20-100°C	23 x 10 x K1				
Electrical resistivity at 20°C	3.14				3.25
Thermal conductivity at 20°C cal/sec cm°C	0.50				0.42
Specific weight kg/dm²	2.70				
Brinnel hardness HB kg/mm²	Max 40	Max 40	35	55	60

Oxford 500D

Yarn count		500D
Weight		220 g/m²
Density		46 (warp) x 36 (weft) per inch²
Finishing		PU colour 3x, ANTI-UV
Elongation (EN 53360)		9,4 % permanent elongation
Highest traction (ISO 13934-1:1999 – Mean value from five levels each)	warp	2.030 N
	weft	1.577 N
Bending strength (DIN EN ISO 32100)		without UV exposure: cracking after 20.000 folds
		with UV exposure: cracking after 8.000 folds
Water column (DIN EN 20811)		1.600 mm
Light fastness		dyed fabric
	(DIN EN ISO 105-B02)	bluescale: 4,5–6,5 (of max. 8)
	(DIN EN ISO 105-A02)	greyscale: 3,5 (of max. 5)
Coating		water repellent
Fire protection class (DIN EN 13501-1: 2018)		B – s1, d0 (difficult to ignite)

Oxford 250D

Yarn count		250D
Weight		160 g/m²
Density		54 (warp) x 45 (weft) per inch²
Finishing		PU colour 3x, ANTI-UV
Elongation (EN 53360)		11,2 % permanent elongation
Highest traction (ISO 13934-1:1999 – Mean value from five levels each)	warp	1.198N
	weft	815 N
Bending strength (DIN EN ISO 32100)		without UV exposure: cracking after 15.000 folds
		with UV exposure: cracking after 6.000 folds
Water column (DIN EN 20811)		2.000 mm
Light fastness		dyed fabric
	(DIN EN ISO 105-B02)	bluescale: 4,5–6,5 (of max. 8)
	(DIN EN ISO 105-A02)	greyscale: 3,5 (of max. 5)
Coating		water repellent
Fire protection class (DIN EN 13501-1: 2018)		B – s1, d0 (difficult to ignite)

Description	Norm	Values	Units
Composition		PES 95% PU 5%	
Thickness		≥ 0,40 ± 0,02%	mm
Yarn thickness		600 D Warp 600 D Weft	
Weight	UNI EN ISO 9801	250 ± 5%	gr/m2
Width		150 ± 1	cm
Tensile strength	UNI EN ISO 1421	≥ 1750	N/5 cm Warp
		≥ 1450	N/5 cm Weft
Elongation at break	UNI EN ISO 1421	≥ 28	% Warp
		≥ 30	% Weft
Tear strength	UNI EN ISO 13937-2	≥ 350	N Warp
		≥ 200	N Weft
Colour fastness	ISO 105 C 06 B1 E01/E04/105X12	3-4	BLUE scale
Water column	UNI EN ISO 20811/2003	> 2000	mm



Sand



Olive



Stone



Description	Norm	Values	U.M.M		Tolerances
Composition		100*	%	PVC	
Softness		44 PHR			
Thickness		0,5	mm		+/- 0,02
Weight		650	gr/m2		+/- 5%
French norm	NF P 92-507:2004	M2			
Width		140	cm		+/- 1
Tensile strength	ASTM D882	≥ 30	N/mm²	Warp	
		≥ 28	N/mm²	Weft	
Elongation at Break	ASTM D882	≥ 300	%	Warp	
		≥ 300	%	Weft	
Tear strength	ASTM D1004-91A	≥ 91	N/mm	Warp	
		≥ 87	N/mm	Weft	
		REACH - ROHS			

All values are given for information only.

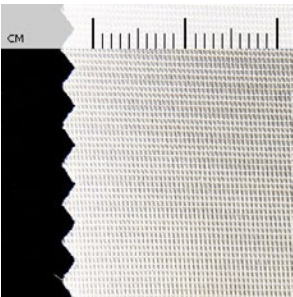
Georg+Otto Friedrich
EUROPAS GROSSE WIRKWARENPRODUZENTEN

Product 8029FLBF

Taft aus Wirkware

Technical data

Indication:	PES-KNITTED-TAFFETA
Field of application:	decoration, pennants, fan merchandise
Material:	100 % Polyester
Weight:	70 g/m² (± 5 %)
Stock widths:	310 cm
Remarks:	with flame retardant finishing, with INKTeX+BF® finishing for inkjet-direct printing



Product Features



Information and Downloads

- Certificate for the quality management system according DIN EN ISO 9001:2015.
- General considerations regarding further processing of fabrics for digital printing.
- DIN 4102 B1-certification for PES-Fahnenstoff with INKTeX+FL treatment.
- DIN EN 13501 certificate for PES-Fahnenstoff with INKTeX+FL

For possible errors no liability will be assumed. Misprint, mistakes and modifications are subject to change without prior notice.
Zuletzt aktualisiert am 30.07.2019

Certificates and Test Reports Italy

V Certificate | Oxford 500D

MODULARIO
INTERNO - 261



19716

MARCA DA BOLLO
€ 10,33
Lire 20000
VENTIMILLA
E TRE

Ministero dell'Interno

DIPARTIMENTO DEI VIGILI DEL FUOCO, DEL SOCCORSO PUBBLICO E DELLA DIFESA CIVILE
DIREZIONE CENTRALE PER LA PREVENZIONE E LA SICUREZZA TECNICA
AREA V - PROTEZIONE PASSIVA

VISTO il Decreto Ministeriale 26 giugno 1984 concernente "Classificazione di reazione al fuoco ed omologazione ai fini della prevenzione incendi";

VISTI il Decreto Ministeriale 03 Settembre 2001, recante "Modifiche ed integrazioni al Decreto 26 giugno 1984 concernente classificazione di reazione al fuoco ed omologazione ai fini della prevenzione incendi" e il Decreto Ministeriale 28 maggio 2002 recante rettifiche al decreto medesimo;

VISTA l'istanza presentata dalla ditta ZINGERLE METAL S.r.l. sita in Zona industriale, 103 - 34040 NAZ/SCIAVES (BZ), produttrice del materiale denominato "OXFORD 500 IGNIFUGO" per ottenere l'omologazione del materiale stesso ai fini della prevenzione incendi;

VISTO il certificato di reazione al fuoco n° RF/936-2002 del 09/04/2002 emesso per il predetto materiale dall'Istituto di Ricerche e Collaudi M. MASINI S.r.l. di Rho (MI);

VISTA la scheda tecnica, allegata al predetto certificato, prodotta dalla ditta ZINGERLE METAL S.r.l. di NAZ/SCIAVES (BZ)

SI OMOLOGA

con il numero di codice BZ2011A70D100005, il prototipo del materiale denominato "OXFORD 500 IGNIFUGO" prodotto dalla ditta ZINGERLE METAL S.r.l. di NAZ/SCIAVES (BZ), ai soli fini della prevenzione incendi, nella CLASSE di REAZIONE al FUOCO 1 (UNO) e se ne AUTORIZZA la riproduzione, ai sensi dei decreti ministeriali citati in premessa, conformemente a tutte le caratteristiche apparenti e non apparenti, nonché a quelle dichiarate dalla predetta ditta nella scheda tecnica parimenti citata in premessa.

Sul marchio o sulla dichiarazione di conformità, da allegarsi ad ogni tipo di fornitura del materiale oggetto della presente omologazione, dovranno essere riportati:

- NOME DEL PRODUTTORE: Ditta ZINGERLE METAL S.r.l. (o altro segno distintivo);
- ANNO DI PRODUZIONE: (da indicarsi);
- CLASSE DI REAZIONE AL FUOCO: 1 (UNO);
- CODICE: BZ2011A70D100005;
- POSA IN OPERA: SOSPESO SUSCETTIBILE DI PRENDERE FUOCO SU AMBO LE FACCE;
- IMPIEGO: TENDONE;
- MANUTENZIONE: METODO "D" COME DA UNI 9176 (1998).

Si richiamano tutti gli obblighi di legge spettanti al produttore e a tutti i soggetti comunque interessati, a norma del Codice Civile, del Codice Penale e dei decreti ministeriali 26 giugno 1984 e 3 settembre 2001.

Roma, **31 LUG. 2003**

Fasc. 4190 sott. 2499

N.B. IL PRESENTE ATTO DI OMOLOGAZIONE
E' RIPRODUCIBILE UNICAMENTE
NELLA SUA INTEGRALE STESURA

IL DIRETTORE CENTRALE
(Dott. Ing. Michele FERRARO)

Imposta di Bollo
assolta



Ministero dell' Interno

DIPARTIMENTO DEI VIGILI DEL FUOCO DEL SOCCORSO PUBBLICO E DELLA DIFESA CIVILE
 DIREZIONE CENTRALE PER LA PREVENZIONE E LA SICUREZZA TECNICA
 CENTRO STUDI ED ESPERIENZE



49956 19716

2499_49956_19716

Visto l'Atto di Omologazione rilasciato in data 31/07/2003 con Codice di Omologazione: BZ2011A70D100005, progr. 19716, con ultima validità fino al 31/07/2023, relativo al prodotto con denominazione commerciale: "OXFORD 500 IGNIFUGO" con impiego: "TENDONE";

Vista l'istanza di rinnovo progr. 41944 del 20/06/2018 con validità rinnovata fino al 31/07/2023;

Vista l'istanza di rinnovo progr. 49956, assunta a protocollo DCPREV n. 17859 del 29/11/2023, presentata dalla ditta ZINGERLE GROUP S.p.A. sita in Via Foerche, 7, 39040 - Naz-Schiaves (BZ);

SI RINNOVA

L'Atto di omologazione con Codice: BZ2011A70D100005, con validità fino al 31/07/2028, salvo le limitazioni previste dall'art.4, comma 3, del D.M. 10/03/2005 .

Il presente atto è da considerarsi parte integrante dell'atto di omologazione di cui in premessa e ad esso è accluso.

IL DIRETTORE CENTRALE
(Mannino)
Firmato in forma digitale ai sensi di legge

IL DIRIGENTE
(Ing. Massimo Nazzareno BONFATTI)
Firmato in forma digitale ai sensi di legge

IL RESPONSABILE DEL SETTORE OMOLOGAZIONI
(Ing. Marcello SERPIERI)
Firmato in forma digitale ai sensi di legge



SottoF. 2499

2/2

MODULARIO
RINNOVO - 261



19786



Ministero dell' Interno

DIPARTIMENTO DEI VIGILI DEL FUOCO, DEL SOCCORSO PUBBLICO E DELLA DIFESA CIVILE
 DIREZIONE CENTRALE PER LA PREVENZIONE E LA SICUREZZA TECNICA
 AREA V - PROTEZIONE PASSIVA

VISTO il Decreto Ministeriale 26 giugno 1984 concernente "Classificazione di reazione al fuoco ed omologazione ai fini della prevenzione incendi";

VISTI il Decreto Ministeriale 03 Settembre 2001, recante "Modifiche ed integrazioni al Decreto 26 giugno 1984 concernente classificazione di reazione al fuoco ed omologazione ai fini della prevenzione incendi" e il Decreto Ministeriale 28 maggio 2002 recante rettifiche al decreto medesimo;

VISTA l'istanza presentata dalla ditta ZINGERLE METAL S.r.l. sita in Zona industriale, 103 - 34040 NAZ/SCIAVES (BZ), produttrice del materiale denominato "OXFORD 250 IGNIFUGO" per ottenere l'omologazione del materiale stesso ai fini della prevenzione incendi;

VISTO il certificato di reazione al fuoco n° RF/1037-2002 del 17/04/2002 emesso per il predetto materiale dall' Istituito di Ricerche e Collaudi M. MASINI S.r.l. di Rho (MI);

VISTA la scheda tecnica, allegata al predetto certificato, prodotta dalla ditta ZINGERLE METAL S.r.l. di NAZ/SCIAVES (BZ)

SI OMOLOGA

con il numero di codice BZ2011A70D100004, il prototipo del materiale denominato "OXFORD 250 IGNIFUGO" prodotto dalla ditta ZINGERLE METAL S.r.l. di NAZ/SCIAVES (BZ), ai soli fini della prevenzione incendi, nella CLASSE di REAZIONE al FUOCO 1 (UNO) e se ne AUTORIZZA la riproduzione, ai sensi dei decreti ministeriali citati in premessa, conformemente a tutte le caratteristiche apparenti e non apparenti, nonché a quelle dichiarate dalla predetta ditta nella scheda tecnica parimenti citata in premessa.

Sul marchio o sulla dichiarazione di conformità, da allegarsi ad ogni tipo di fornitura del materiale oggetto della presente omologazione, dovranno essere riportati:

- NOME DEL PRODUTTORE: Ditta ZINGERLE METAL S.r.l. (o altro segno distintivo);
- ANNO DI PRODUZIONE: (da indicarsi);
- CLASSE DI REAZIONE AL FUOCO: 1 (UNO);
- CODICE: BZ2011A70D100004;
- POSA IN OPERA: SOSPESO SUSCETTIBILE DI PRENDERE FUOCO SU AMBO LE FACCE;
- IMPIEGO: TENDONE;
- MANUTENZIONE: METODO "D" COME DA UNI 9176 (1998).

Si richiamano tutti gli obblighi di legge spettanti al produttore e a tutti i soggetti comunque interessati, a norma del Codice Civile, del Codice Penale e dei decreti ministeriali 26 giugno 1984 e 3 settembre 2001.

Roma, 16 GIU. 2003
Fasc. 4190 sott. 2499

IL DIRETTORE CENTRALE
(Dott. Ing. Michele FERRARO)

N.B. IL PRESENTE ATTO DI OMOLOGAZIONE E' RIPRODUCIBILE UNICAMENTE NELLA SUA INTEGRALE STESURA

1/2

Imposta di Bollo
assolta





49957 19786

Ministero dell' Interno

DIPARTIMENTO DEI VIGILI DEL FUOCO DEL SOCCORSO PUBBLICO E DELLA DIFESA CIVILE
 DIREZIONE CENTRALE PER LA PREVENZIONE E LA SICUREZZA TECNICA
 CENTRO STUDI ED ESPERIENZE

2499_49957_19786

Visto l'Atto di Omologazione rilasciato in data 16/06/2003 con Codice di Omologazione: BZ2011A70D100004, progr. 19786, con ultima validità fino al 16/06/2023, relativo al prodotto con denominazione commerciale: "OXFORD 250 IGNIFUGO" con impiego: "TENDONE";

Vista l'istanza di rinnovo progr. 41945 del 20/06/2018 con validità rinnovata fino al 16/06/2023;

Vista l'istanza di rinnovo progr. 49957, assunta a protocollo DCPREV n. 17860 del 29/11/2023, presentata dalla ditta ZINGERLE GROUP S.p.A. sita in Via Foerche, 7, 39040 - Naz-Schiaves (BZ);

SI RINNOVA

L'Atto di omologazione con Codice: BZ2011A70D100004, con validità fino al 16/06/2028, salvo le limitazioni previste dall'art.4, comma 3, del D.M. 10/03/2005 .

Il presente atto è da considerarsi parte integrante dell'atto di omologazione di cui in premessa e ad esso è accluso.

IL DIRETTORE CENTRALE
(Mannino)
Firmato in forma digitale ai sensi di legge

IL DIRIGENTE
(Ing. Massimo Nazzareno BONFATTI)
Firmato in forma digitale ai sensi di legge

IL RESPONSABILE DEL SETTORE OMOLOGAZIONI
(Ing. Marcello SERPIERI)
Firmato in forma digitale ai sensi di legge



SottoF. 2499

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TEL. + 39 0472 200273 FAX + 39 0472 209707 E - MAIL: peter.winkler@ra-winkler.it

Avv. Peter Winkler LL.M. ^{1 2}
 Avv. Silvia Winkler Ph.D. ¹
 Avv. Silvia Deltedesco ¹
 Dott. Kathrin Oberhuber
 Dott. Christian Pattis

Spett.le ditta
 Zingerlemetal S.p.A.
 Förche 7
 39040 - NAZ-SCIAVES

NS. RIFERIMENTO 9301 W/R Bressanone, Il 12.03.2015

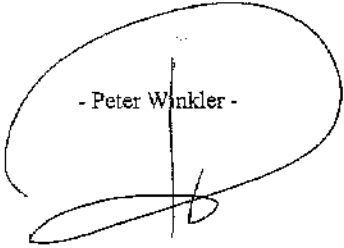
OGGETTO Zingerlemetal S.p.A. -- applicazione UNI EN 13782

Le struttura temporanee (tende) da Voi prodotte sono soggette alla normativa UNI EN 13782.

Detta normativa europea, vigente anche in Italia, prevede solo per tende con superficie coperta maggiore di 50m² la produzione del libretto di tenda.

Quindi ogni richiesta di "corretto montaggio", avente ad oggetto la conformità di quanto installato nel concreto con il libretto di tenda esistente può avere ad oggetto esclusivamente strutture temporanee, la cui superficie coperta supera i 50m².

Cordiali saluti



- Peter Winkler -

¹iscritto all'Ordine degli Avvocati di Bolzano

²Patrociniato in Cassazione

BANCA POPOLARE DELL'ALTO ADIGE c/c 1055617 ABI 5855 CAB 68220 CIN IBAN IT56 N055 5656 2200 7057 1066 617 BIC BPAAIT2BBRE
 CASSA RAIFFEISEN VALLE ISARCO c/c 0300731-5 ABI 08307 CAB 58223 CIN U IBAN IT767 08307 58221 000300007315 BIC RZSBIT21007
 CASSA DI RISPARMIO DELL'ALTO ADIGE SPA c/c 5001981 ABI 6046 CAB 58220 IBAN IT27 0060 4558 2200 0000 5001 981 BIC CRBZIT28050
 Codice Fiscale WNKPTR66M22B160H Partita IVA 01417800214

Rechtsanwalt - Avvocato
DR. PETER P. MARSEILER

I-39100 Bozen – Bolzano
Via L. da Vinci Str. 4
Tel. (0471) 972444 – Fax (0471) 977111

Spett.le ditta.
Zingerle Metal Srl
Zona Industriale 103

39040 Naz/Sciaves

14.04.1998

PARERE GIURIDICO PER TENDE

Premesso che le Vs. tende del tipo "Master Tent" non costituiscono alcuna struttura definitiva, fissa e durevole, è da ritenersi esclusa la necessità di una preventiva concessione edilizia per la montatura delle tende con richiamo alle Leggi n. 10 dd. 28.01.1977 e n. 1150 dd. 17.08.1942, nonché al D.P.G.P. di Bolzano n. 20/1970, qualora le tende vengono montate solamente in via provvisorio ai fini transitori.

La giurisprudenza è univoca nel ritenere che solamente quelle strutture che sono ancorate al terreno in modo fisso e durevole necessitano di una concessione edilizia e che alterino così in modo stabile lo stato dei luoghi.

In proposito richiamo le seguenti decisioni:

1) sentenza n. 1011 del T.A.R. della Lombardia - Sezione Brescia dd. 18.12.1991:

"Rientrano nella nozione giuridica di costruzione per la quale occorre la concessione edilizia tutti quei manufatti, non necessariamente infissi al suolo, **che alterino in modo stabile**, non irrilevante e non meramente occasionale **lo stato dei luoghi**, ancorché privi di volume interno utilizzabile e purché **destinati a soddisfare esigenze permanenti**".

2) sentenza del Pretore di Pizzo dd. 18.02.1997:

"**Non necessita la concessione edilizia** la costruzione di una tettoia per il ricovero degli autoveicoli ove risulti che essa sia stata installata per motivi contingenti, che ne rendano evidente la eliminazione entro breve termine, avuto riguardo anche agli elementi costruttivi; per la suddetta costruzione neppure è richiesta, non essendo configurabile un'alterazione permanente dei luoghi, **l'autorizzazione ex art. 7, Legge n. 1497 del 1939, trattandosi di opera di carattere precario.**"

1/2

Rechtsanwalt – Avvocato
DR. PETER P. MARSEILER

3) sentenza n. 226 del Consiglio di Stato - Sezione V dd. 24.02.1996:

"Soltanto le costruzioni aventi intrinseche caratteristiche di precarietà strutturale e funzionale, cioè **destinate fin dall'origine** a soddisfare esigenze contingenti e circoscritte nel tempo **sono esenti dall'assoggettamento alla concessione edilizia**, mentre lo è un chiosco prefabbricato per lo svolgimento di attività stagionali, in quanto esso, pur se non infisso al suolo ma solo aderente in modo stabile, è destinato ad un'utilizzazione perdurante nel tempo, anche se intervallata da pause stagionali, di talché l'alterazione del territorio non può essere considerata temporanea, precaria o irrilevante".

(avv. Peter P. Marseiler)

Allegati

- copia dell'art. 1 della L. 10/1977
- copia dell'art. 1 della L. 1150/1942
- copia degli artt. 1 e 30 del D.P.G.P. di Bolzano n. 20/1970

2/2



ZINGERLE GROUP SpA
Via Foerche, 7
I-39040 Naz-Sciaves (BZ)

www.zingerle.group