ECOTENT

Ecotent Folding Gazebos

Certificates

ZINGERLE GROUP

MASTERTENT ECOTENT RUKU1952

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

www.zingerle.group

Index

1. Why Ecotent

Seven good reasons 2
Warranties 3

2. Certificates and Test Reports

TÜV-SÜD 5
Fire behaviour test - Oxford 500D 6
Fire behaviour test - Oxford 250D 8
Fire behaviour test - PVC 10
SGS Cristal 12
ECO PASSPORT by OEKO-TEX® 13
REACH Regulation 14
UV protection factor Oxford 500D & 250D 15
Wind stability 17
Temporary structures 22
ISO 9001:2015 26
Reforestation 27
Grüner Punkt 28

3. Data Sheets

Aluminium alloy 6060 31
Oxford 500D 32
Oxford 250D 33
Recycled fabric 34
Cristal 0,5 mm FR M2 35
Flag fabric 36

4. Certificates & Test Reports - Italy

Oxford 500D 39
Oxford 250D 41
Temporary structures 43
Legal opinion | No building permit 44

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.*
- 10-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

Certificate | TÜV-SÜD

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

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

i.A. ppa.

Gerhard Hintereder)

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

TÜV®

Certificate | Fire behaviour test - Oxford 500D

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

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

Certificate | Fire behaviour test - Oxford 250D

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

CLASSIFICATION

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

Classification no.	2022-Efectis-R000491
Sponsor	Zingerle 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

3.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	0.12 mm
Surface density	145 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

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

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

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

Certificate | SGS Cristal

SGS

Test Report No.: SDHGR123444kjjòòà 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 PVCFILMS
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

SDHG

SGS-CSTC Standards Technical Services Co., Ltd. | 528333 t (86-757)22805888 f (86-757)22805858 www.cn.sgs.com
528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com

Certificate | ECO PASSPORT by OEKO-TEX®

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

OEKO-TEX®
CONFIDENCE IN TEXTILES

CERTIFICATE

The Company

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

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

OEKO-TEX® CONFIDENCE IN TEXTILES
ECO PASSPORT
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 MRSL 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

1 | 3

Certificate | REACH Regulation

ZINGERLE GROUP

MASTERTENT ECOTENT RUKU1952

Declaration regarding the REACH Regulation

Dear Sir or Madam,

The Eruopean 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

ZINGERLE GROUP SpA
BZ-39040 Naz-Sciaves | **T** +39 0472 977 100 | **E** global@zingerle.group | info@pec.zingerle.group
HK BZ-127327 | SDI-Kodex T04ZHR3 | Partita Iva/C.F. IT 01533450217 | Capitale Sociale 1 Mio. Euro i.v. | **www.zingerle.group**

1/1

Test report | UV protection factor Oxford 500D & 250D

titv

TITV e. V. • Postfach 1364 • 07962 Greiz

ZINGERLE GROUP AG
Förche 7
39040 Natz / Schabs

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.

DAkkS Deutsche Akkreditierungsstelle D-PL-19649-01-00

Kreisgericht Greiz VR 206
Gerichtsstand Greiz
Ust-Id-Nr.: DE 151887921
Steuer-Nr.: 161/142/21434

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 Gera-Greiz
(BLZ 830 500 00)
Kto. 608181
BIC: HELADEF1GER
IBAN: DE70 8305 0000 0000 6081 81

Deutsche Kreditbank AG (DKB)
(BLZ 120 300 00)
Kto. 1005364458
BIC: BYLADEM1001
IBAN: DE88 1203 0000 1005 3644 58

1/2

509/16 Seite 2 von 2 Seiten

Entnahme der Messproben:

Aus der Probe wurden 6 Messproben (je 5 x 4 cm^2) 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.

i.V. Klobes

Dr. Ulrike Klobes
Leiter der Prüfstelle

2/2

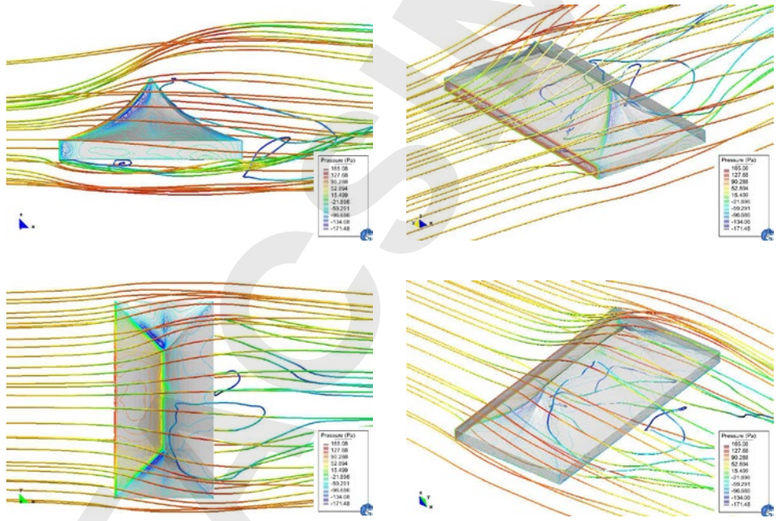
Maffeis Engineering S.p.A.
Via Mignano 26 – 36020 Solagna (VI)
Tel: +39 0424 558361 - Fax +39 0424 1745104
www.maffeis.it

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.

1/5

Maffeis Engineering S.p.A.
Via Mignano 26 – 36020 Solagna (VI)
Tel: +39 0424 556174 - Fax +39 0424 1745104
www.maffeis.it

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:

1. De-stabilizing loads (wind) are multiplied by γ_Q = 1.5 whereas stabilizing loads (self-weight + counterweight) are multiplied by γ_G = 0.9, in accordance to EN 1990

2. Wind exposition:
   - Obstructed wind flow (ϕ = 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: θ=0° and θ=45°

3. In accordance with literature values, Static friction coefficient between steel and concrete = 0.3

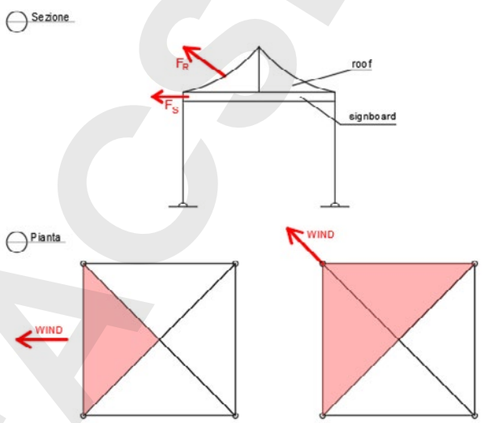


Figure 1 Force application

Maffeis Engineering S.p.A.
Via Mignano 26 – 36020 Solagna (VI)
Tel: +39 0424 556174 - Fax +39 0424 1745104
www.maffeis.it

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

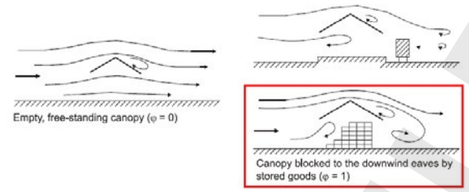


Figure 2 Wind flow (extracted by EN 1991-1-4)

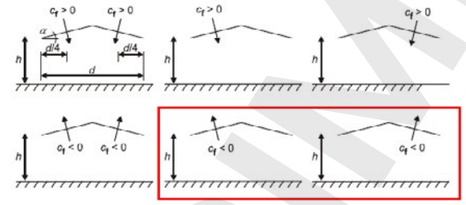
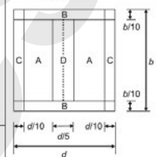


Figure 3 Wind load on duopitch roof (extracted by EN 1991-1-4)

Net pressure coefficients $c_{p,net}$

Key plan



Roof angle α [°]	Blockage φ	Overall Force Coefficient c_f	Zone A	Zone B	Zone C	Zone D
+ 25	Maximum all φ	+ 0,7	+ 1,2	+ 1,9	+ 1,6	+ 0,5
	Minimum φ = 0	- 1,0	- 1,4	- 1,9	- 1,4	- 2,0
	Minimum φ = 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 φ = 0	- 1,0	- 1,4	- 1,9	- 1,4	- 2,0
	Minimum φ = 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):

$$c_f = 1{,}80 \qquad (7.7)$$

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

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

Maffeis Engineering S.p.A.
Via Mignano 26 – 36020 Solagna (VI)
Tel: +39 0424 556174 - Fax +39 0424 1745104
www.maffeis.it

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

Maffeis Engineering S.p.A.
Via Mignano 26 – 36020 Solagna (VI)
Tel: +39 0424 556174 - Fax +39 0424 1745104
www.maffeis.it

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 Vujić - 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.

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.

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

Example on the 3x3 m variant

PROFILES

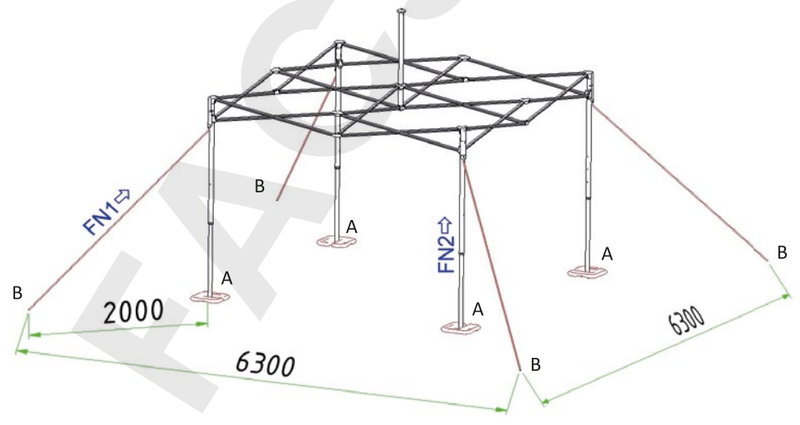
upright profile 46/46/2,45/1,95 EN AW-6060 T6
Foot Profile 37,8/37,8/1,75/1,3 EN AW-6060 T6
Stay Profile 30/15/2,8/0,8 EN AW-6063 T66
Ridge pole Profile 43/43/1,95/1,5 EN AW-6060 T6
Bracing Steel wire rope Ø 10 mm, EN 12385-4, 6x19 M-FC 1770
alternatively truck tensioning belt (with sufficient load-bearing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



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

Certificate | ISO 9001:2015

SV Cert.

Reg. No. 661/Q-082

CERTIFICATE

No. 321-QMS-21

Hereby we certify that the Management System of

ZINGERLE SPA

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

Operating Offices:
Via Forche, 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 autdoor tables.

EA Code	First Issue Date	Date of modification	Certificate expiration date
EA 17	25/05/2021	23/06/2023	24/05/2024

For the Certification Body
SV Certification Sro

(Gaetano Spera CEO SV CERT.)

SV Cert. Group

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: Jégého 220/19, Bratislava
Mestská Casť Ružinov 821 08 – SLOVAKIA
Info & Contact: svcertification.com – info@svgroupcert.ch

Certificate | Reforestation

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!

SOCIETATEA COMERCIALA CUI: RO15561728 CETATE PRODUCTION SRL Sat SURCETATE Com. ZETEA HARGHITA-ROMANIA

The president Szabó Imre

DerGrünePunkt

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 CO_2-emissions filtered from the air by **4,469 m²** forest in one year.

Haucke Schlüter
Spokesman of the Board

Jörg Deppmeyer
Managing director

Eco Certificate for 2020 Duales System Deutschland GmbH

Data Sheets

Data sheet | Aluminium alloy 6060

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	**Coefficient of linear expansion:**
Melting temperature: 600 °C	20 bis 100 °C 23 . 10 -6-°C -1
Specific heat with 100 °C: 0,22 cal/g-1°C-1	20 bis 200 °C 24 . 10 -6-°C -1
Caloric conductibility with 20 °C	20 bis 300 °C 25 . 10 -6-°C -1
O: 0,42 cal/sec cm °C	**Specific electrical resistance with 20 °C:**
	T6:3,25 µ W cm
Ideal to anodize	**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

Data sheet | Oxford 500D

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)	

Data sheet | Oxford 250D

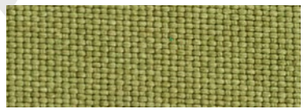
Oxford 250D

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)	

Data sheet | Recycled fabric

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

Data sheet | Cristal 0,5 mm FR M2

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

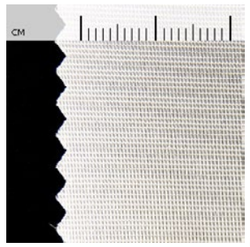
EUROPAS GROSSE WIRKWARENPRODUZENTEN

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

Zuletzt aktualisiert am 30.07.2019

1/1

Certificates and Test Reports Italy

Certificate | Oxford 500D

MODULARIO INTERNO - 261

19716

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' 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

IL DIRETTORE CENTRALE
(Dott. Ing. Michele FERRARO)

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

ISTITUTO POLIGRAFICO E ZECCA DELLO STATO - S.

1/2

MARCA DA BOLLO
Ministero dell'Economia e delle Finanze
€14,62
Agenzia Entrate
QUATTORDICI/62
00015247 00006971 WD15HD01
00002778 28/04/2008 08:28:10
0001-00009 1C2459ED8CFC0671
IDENTIFICATIVO : 01052381254044
0 1 05 238125 404 4

DIPARTIMENTO DEI VIGILI DEL FUOCO DEL SOCCORSO PUBBLICO E DELLA DIFESA CIVILE
DIREZIONE CENTRALE PER LA PREVENZIONE E LA SICUREZZA TECNICA
AREA PROTEZIONE PASSIVA
Vista la domanda di rinnovo presentata il : 19/03/2008
Codice: BZ2011A70D100005 del 31/07/2003
Validità rinnovata fino al: 31/07/2013
Atto di omologazione non ricadente nei casi previsti dall'art.3, comma 2, del D.M. 03/09/2001
IL DIRETTORE CENTRALE
(STORCHI)
11 SET. 2008

MARCA DA BOLLO
Ministero dell'Economia e delle Finanze
€14,62
Agenzia Entrate
QUATTORDICI/62
00016603 00001EB6 WDH6D001
00046050 23/05/2012 08:56:54
0001-00009 89D5517D13D56894
IDENTIFICATIVO : 0110D90651783
0 1 10 090651 783 2

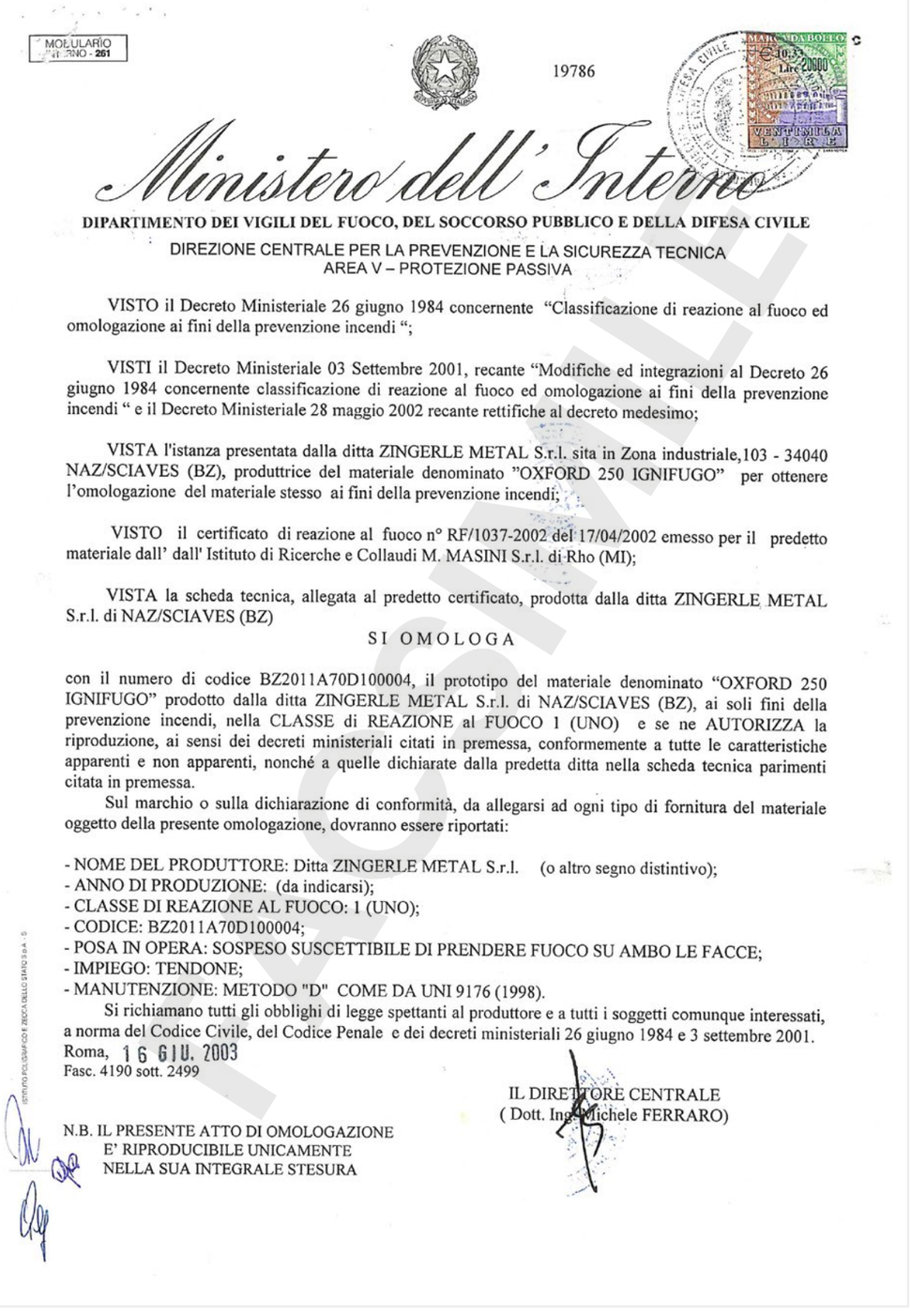
DIPARTIMENTO DEI VIGILI DEL FUOCO DEL SOCCORSO PUBBLICO E DELLA DIFESA CIVILE
DIREZIONE CENTRALE PER LA PREVENZIONE E LA SICUREZZA TECNICA
AREA PROTEZIONE PASSIVA
Vista la domanda di rinnovo presentata il: 15/07/2013
Validità ulteriormente rinnovata fino al: 31/07/2018
Atto di Omologazione non ricadente nei casi previsti dall'art.3, comma 2, del D.M. 03/09/2001
35380 - 19716
IL DIRETTORE CENTRALE
(Dattilo)
06 AGO. 2013

MARCA DA BOLLO
Ministero dell'Economia e delle Finanze
€1,38
Agenzia Entrate
UNO/38
00016603 00001EB6 WDH6D001
00053847 04/07/2013 08:09:33
4578-00010 CBF97EEC386AFB79
IDENTIFICATIVO : 01120765861629
0 1 12 076586 162 9

MARCA DA BOLLO
Ministero dell'Economia e delle Finanze
€16,00
Agenzia Entrate
SEDICI/00
00036546 00009DB6 WDX64001
00023120 30/06/2017 10:32:05
4578-00088 556943E22A515465
IDENTIFICATIVO : 01161988073890
0 1 16 198807 389 0

DIPARTIMENTO DEI VIGILI DEL FUOCO DEL SOCCORSO PUBBLICO E DELLA DIFESA CIVILE
DIREZIONE CENTRALE PER LA PREVENZIONE E LA SICUREZZA TECNICA
UFF. PER LA PROT. PASSIVA, PROT. ATTIVA, SETTORE MERCEOLOGICO E LABORATORI
Vista la domanda di rinnovo presentata il: 20/06/2018
Validità ulteriormente rinnovata fino al: 31/07/2023
Atto di Omologazione non ricadente nei casi previsti dall'art.3, comma 2, del D.M. 03/09/2001
(2499)
41944 - 19716
IL DIRETTORE CENTRALE
(LITTERIO)
Firmato in forma digitale ai sensi di legge

2/2



MODULARIO INTERNO - 261

19786

MARCA DA BOLLO
10,33
Lire 20000
VENTIMILA LIRE

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' 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 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

ISTITUTO POLIGRAFICO E ZECCA DELLO STATO S.p.A. - S

1/2

2/2

STUDIO LEGALE WINKLER
www.ra-winkler.it

VIA FIENILI 12 I – 39042 BRESSANONE (BZ)
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 WI/R Bressanone, li 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 istallato 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 -

[1] Iscritto all'Ordine degli Avvocati di Bolzano
[2] Patrocinante in Cassazione

1/1

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, é 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 é 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 suole, **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 é 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**."

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 circostritte nel tempo **sono esenti dall'assoggettamento alla concessione edilizia**, mentre lo é un chiosco prefabbricato per lo svolgimento di attività stagionali, in quanto esso, pur se non infisso al suolo ma solo aderente in modo stabile, é 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

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

www.zingerle.group