AERISE®

Aerise® Inflatable Tents

Certificates

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Why Aerise®?

8 convincing reasons:

1. In-house production and product development in South Tyrol, Italy
2. Top product quality and a broad product range
3. Sustainable company management in the third generation
4. Personal on-site customer support thanks to our global sales network
5. Fast, reliable delivery worldwide
6. 15-year spare parts guarantee
7. International certifications
8. Option for personalised printing

MANUFACTURER

MADE IN EUROPE

When is the quality of our inflatable tents checked?
After every step of the process.

To ensure you can rely on your product, we subject our inflatable tents to strict additional tests to guarantee their quality.

Warranty Services:

- Statutory warranty of 2 years from the date of purchase
- 15-year spare parts guarantee, ensuring long-term availability of replacement parts

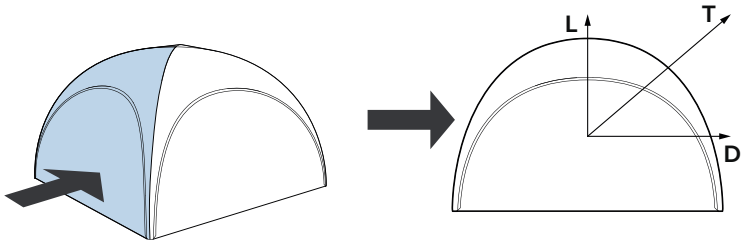
Certificates and Test Reports

WIND RESISTANCE CERTIFICATE

FORCES

- Wind Speed: 1m/s = 3.6 km/h
- Density of the flowing medium: 1.224 kg/m3
- Drag Coefficient: 1 (Safety factor of 1.2; estimated actual drag coefficient of 0.6)
- Friction of Ballast Barrel and ground: 1 [material: rubber-to-asphalt]

Size	Surface Area with Side Wall
3x3	5,4m² (58ft²)
4x4	8,5m² (91.5ft²)
5x5	13m² (13.99ft²)
6x6	19m² (204.5ft²)

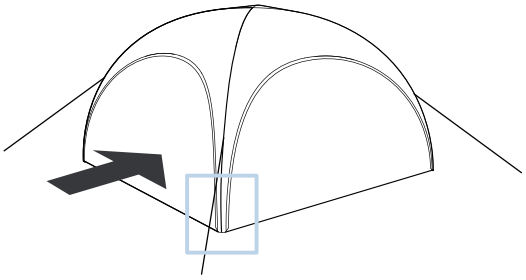


	Drag (D) [daN]			Lift (L) [daN]			Total Force (T) [daN]		
Size	**30 km/h wind speed (18.7 mph)**	**40 km/h wind speed (25 mph)**	**60 km/h wind speed (37.3 mph)**	**30 km/h wind speed (18.7 mph)**	**40 km/h wind speed (25 mph)**	**60 km/h wind speed (37.3 mph)**	**30 km/h wind speed (18.7 mph)**	**40 km/h wind speed (25 mph)**	**60 km/h wind speed (37.3 mph)**
3x3	22,8	40,5	91,3	11,4	20,3	45,7	25,5	45,3	/
4x4	24,2	51,7	115,0	11,3	39,6	60,8	35,5	68,0	175,8
5x5	37,0	79,1	175,9	17,6	42,0	195,0	54,7	121,2	271,0
6x6	54,1	115,6	257,1	25,4	60,6	136,8	79,6	176,2	305,7

BALLAST RECOMMENDATIONS

Below are shown the weights necessary to secure one tube on your Aerise® tent during high winds. At a minimum, this weight should be used on all tubes facing into the wind. However, in order to achieve the most security and stability we strongly recommend that you secure all four tubes on your Aerise® tent.

	Weight Per Tube		
Size	**30 km/h wind speed (18.7 mph)**	**40 km/h wind speed (25 mph)**	**60 km/h wind speed (37.3 mph)**
3x3	13 kg (28lbs)	23 kg (49lbs)	/
4x4	18 kg (39lbs)	34 kg (75lbs)	89 kg (196lbs)
5x5	27 kg (59lbs)	60 kg (132lbs)	135 kg (297lbs)
6x6	40 kg (88lbs)	88 kg (194lbs)	153 kg (337lbs)



	Weight Per Tube		
Size	**30 km/h wind speed (18.7 mph)**	**40 km/h wind speed (25 mph)**	**60 km/h wind speed (37.3 mph)**
3x3	1x Tube Ballast	2x Tube Ballasts	/
4x4	1x Tube Ballast	2x Tube Ballasts	1x Ballast Barrel
5x5	1x Tube Ballast	2x Tube Ballasts	2x Ballast Barrels
6x6	2x Tube Ballasts	1x Ballast Barrel	2x Ballast Barrels

AERISE®

ZINGERLE GROUP AG • Pustertaler Straße 2 • I-39040 Natz-Schabs (BZ)

Ballast recommendations for Aerise® tents based on anticipated wind speed and direction.
User note: These recommendations are valid only in cases where the Aerise® tent is properly set up and anchored. Improper setup of the Aerise® tent can also result in damage to the tent and possible injury to people in the surrounding area.

Approval: i. A. Vaulun

Date: 18.11.2018

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Certificate | Fire Behaviour Test - Pirontex®

Efectis Nederland BV
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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.	2023-Efectis-R001109
Sponsor	Zingerle Group AG Förche 7 39040 NAZ / SCIAVES (BZ) ITALY
Product name	**Pirontex fabric** Various colours
Prepared by	Efectis Nederland BV
Author(s)	J.L. Onderwater B.Sc. A.H.L.M. Zwinkels B.Sc. B.R. Knottnerus B.Sc.
Project number	ENL-22-001316
Date of issue	October 2023
Number of pages	6

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1. INTRODUCTION

This classification report defines the classification assigned to **Pirontex fabric** in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, **Pirontex fabric**, is defined as a ceiling or wall covering.

2.2 MANUFACTURER

Zingerle Group AG
Förche 7
39040 NAZ / SCIAVES (BZ)
ITALY

2.3 PRODUCT DESCRIPTION

According to the sponsor the product is from inside out composed of:

- Pirontex is fabricated out of a combination of new polyester polymers. The yarn thickness is 600D (2x 300 D double spun);
- A nanocoating (Water Resistant and oil repellent) is applied on the outside use of the product. The inside used side is coated with a PU coating.

The product has a total thickness of 0.3 mm, a density of 850 kg/m^3 and a mass per unit area of approx. 255 g/m^2.

3. STANDARDS, REPORTS, RESULTS AND CRITERIA IN SUPPORT OF THIS CLASSIFICATION

3.1 APPLICABLE STANDARDS

EN ISO 11925-2:2020	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN 13823:2020+A1:2022	Reaction to fire tests for building products - Building products, excluding floorings exposed to the thermal attack by a single burning item
EN 13238:2010	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
EN 13501-1:2018	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests
EGR 003:2016	Selection of colours for covering a range

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1 REFERENCE OF CLASSIFICATION

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

4.2 CLASSIFICATION

The product, **Pirontex fabric**, 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

4.3 FIELD OF APPLICATION

This classification is valid for the following product parameters:

Thickness	0.3 mm
Surface density	255 g/m^2
Other properties	A nanocoating (Water Resistant and oil repellent) is applied on the outside use of the product. The inside used side is coated with a PU coating

This classification is valid for the following end use applications:

Substrate	Not applicable
Application	Free hanging
Colour	All colours
Exposure side	Both sides (inside and outside)
Methods and means of fixing	Mechanically
Joints	Not applicable
Other aspects of end use conditions	Closed surface, no openings or gaps between components

4.4 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.

5. LIMITATIONS

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

J.L. Onderwater B.Sc.
Junior Project leader Reaction to Fire

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

B.R. Knottnerus B.Sc.
Project leader Reaction to Fire

Certificate | Fire Behaviour Test - PVC

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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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TESTING RvA L 470

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**

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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

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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN.Doccheck@sgs.com

SDHG
SGS-CSTC Standards Technical Services Co., Ltd. | 1/F, 1st Building, European Industrial Park, No.1 Shunteren Road, Wanhe Section, Dalang Town, Shunde Foshan, Guangdong, China 528333 t (86-757)22805888 f (86-757)22805858 www.cn.sgs.com
中国·广东·佛山市顺德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 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

1 | 3

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

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Durst Group AG
Julius Durst Straße - Via Julius Durst, 4
39042 Brixen, ITALY

OETI - Institut fuer Oekologie,
Technik und Innovation GmbH
Siebenhirtenstrasse 12A, Objekt 8
1230 Vienna, Austria

Certificate

OEKO-TEX® ECO PASSPORT

Durst Group AG

is granted the OEKO-TEX® ECO PASSPORT certification
and the right to use the trademark.

Exclusive use for Zingerle Group AG

TYPE
ECO PASSPORT with On-Site Visit

PRODUCTS
See attached enclosure

PRODUCT CATEGORY
2.10 Printing pastes and inks with and without colourants

ECO PASSPORT RM150 174846 OETI

This certificate RM150 174846 is valid until 30.11.2026.

SUPPORTING DOCUMENTS
- ✓ Test Report Number: CM150 269107.2
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ Base certificate(s) of chemical manufacturer(s)
- ✓ On-Site Visit Report

The above captioned products 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 certified products.

ZDHC MRSL 3.1 Conformance Level 3 is achieved for certified products unless indicated otherwise.
Further compliance information (REACH, SVHC, POP etc.) can be found on oeko-tex.com/en/faq.
The certificate is based on the test methods and requirements of the OEKO-TEX® ECO PASSPORT that were in force at the time of evaluation.

The site has met the criteria set by OEKO-TEX® for good product stewardship including occupational health & safety, environmental and quality management system through an On-Site Visit.

i. A.
Ing. Robert Löcker, MBA
Managing Director

Dipl.-HTL-Ing. Helene Melnitzky
Manager Department of Ecology

Wien, 2025-10-20

1|6

OEKO-TEX Service GmbH Gutenbergstrasse 1, CH-8002 Zurich

2/2

Test Report | UV Protection Factor - Pirontex®

titv

Akkreditierte Prüfstelle – TITV e. V. • Zeulenrodaer Str. 42 • 07973 Greiz

ZINGERLE GROUP SpA
Herrn Georg Silgoner
Via Foerche 7
39040 Naz-Sciaves

Italien

Textilforschungsinstitut
Thüringen-Vogtland e. V.
Akkreditierte Prüfstelle

Zeulenrodaer Str. 42
07973 Greiz – Germany

Prüfbericht 197/25 Seite 1 von 2 Seiten Klob 27.06.2025

Auftraggeber:	Herr G. Silgoner
Auftragstermin:	13.06.2025
Probeneingang:	18.06.2025
Proben:	**1 textiles Material, beschichtet** (Lauf. Nr. / Kennzeichnung des Auftraggebers) 1. Pirontex
Prüfauftrag:	Bestimmung des UV-Schutzfaktors UPF
Probenahme:	durch Auftraggeber
Probenvorbereitung/ Prüfverfahren:	DIN EN 13758-1:2007 Schutzeigenschaften gegen ultraviolette Sonnenstrahlung; Teil 1 (DIN EN 13758-1):2007 Prüfverfahren für Bekleidungstextilien (akkreditiertes Prüfverfahren) Bei der Berechnung des UPF wird das Sonnenspektrum von Albuquerque verwendet.
Prüfzeitraum:	23.06. – 26.06.2025
Prüfergebnisse:	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

Entnahme der Messproben:

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

Prüfergebnisse:

Lauf. Nr.	Probenbezeichnung, Farbe, (Bemerkungen)	UVA in %	UVB in %	UPF der Probe	UPF der Probe anzugeben mit
1	Pirontex	0,1	< 0,1	> 2000	**> 50**

Die Einzelwerte der Messungen sind in der Anlage enthalten.

Die Prüfergebnisse beziehen sich ausschließlich auf die Proben im Anlieferungszustand. Ohne schriftliche Genehmigung der Prüfstelle darf der Bericht nicht auszugsweise vervielfältigt werden.

Dr. Ulrike Klobes
Leiter der Prüfstelle

Data Sheets

Data Sheet | Pirontex®

	Pirontex®	
Yarn count	2 x 300D = 600D (double spun)	
Weight	255 g/m²	
Density	80 (warp) x 60 (weft) per inch²	
Finishing	PU colour 3x, ANTI-UV	
Elongation (EN 53360)	6 % permanent elongation	
Highest traction (ISO 13934-1:1999 - Mean value from five levels each)	warp	2.120 N
	weft	1.630 N
Bending strength (DIN EN ISO 32100)	without UV exposure: cracking after 100.000 folds	
	with UV exposure: cracking after 31.500 folds	
Water column (DIN EN 20811)	5.000 mm	
Light fastness	dyed thread	
(DIN EN ISO 105-B02)	bluescale: 7-8 (von max. 8)	
(DIN EN ISO 105-A02)	greyscale: 4,5 (of max. 5)	
Coating	nano coating: water, oil and dirt repellent	
Fire protection class (DIN EN 13501-1: 2018)	B - s1, d0 (difficult to ignite)	

Production Process Pirontex®

50% less
energy consumption

60% less
CO_2 emissions

80% less
water consumption

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.

ZINGERLE
GROUP

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www.zingerle.group