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Ecotent® Folding Gazebos

Certificates

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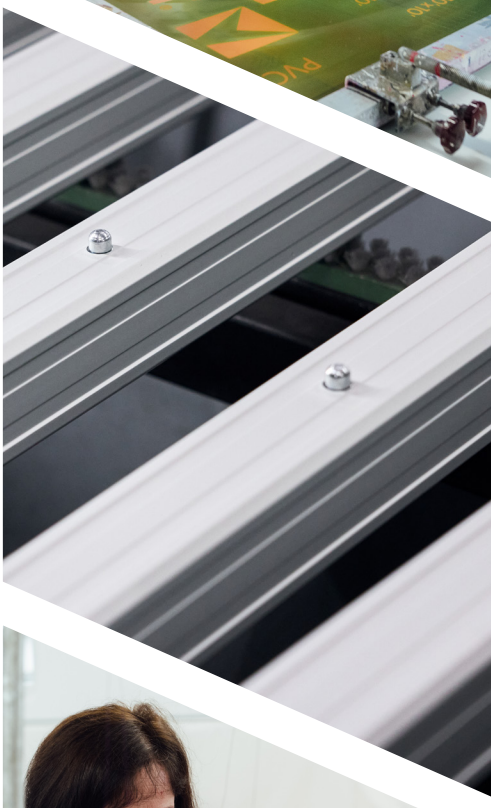

Fire Certifications

DIVERSIFIED
TESTING LABORATORIES, INC.
WORLDWIDE SERVICE
"We Test Per Your Request"
336 WEST FRONT STREET
P.O. BOX 4004
BURLINGTON, NORTH CAROLINA 27215
PHONE (336) 227-7710 • FAX (336) 227-1175
www.diversifiedtestinglabs.com

June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 500X500D,** was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2015 Edition, (Test 2, Large Scale)". The results are as follows:

TEST RESULTS – FOLDS

Specimen Number	After Flame (seconds)	Residual Flame (seconds)	Char Length (inches)
1	0.0	0.0	12.5
2	0.0	0.0	12.0
3	0.0	0.0	11.5
4	0.0	0.0	12.0

The sample submitted **meets** the minimum requirements of the above standard. The length of char on the individual folded specimens shall not exceed 41.3 inches. Additionally, no specimen shall continue flaming for more than two (2) seconds after the test flame is removed and no residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

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June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 250X250D,** was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2015 Edition, (Test 2, Large Scale)". The results are as follows:

TEST RESULTS – FOLDS

Specimen Number	After Flame (seconds)	Residual Flame (seconds)	Char Length (inches)
1	0.0	0.0	12.5
2	0.0	0.0	12.5
3	0.0	0.0	11.0
4	0.0	0.0	12.0

The sample submitted **meets** the minimum requirements of the above standard. The length of char on the individual folded specimens shall not exceed 41.3 inches. Additionally, no specimen shall continue flaming for more than two (2) seconds after the test flame is removed and no residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

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June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **PVC FABRIC, LAMINATED 400 GR/M²,** was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2015 Edition, (Test 2, Large Scale)". The results are as follows:

TEST RESULTS – FOLDS

Specimen Number	After Flame (seconds)	Residual Flame (seconds)	Char Length (inches)
1	0.0	0.0	19.0
2	0.0	0.0	17.5
3	0.0	0.0	18.0
4	0.0	0.0	19.0

The sample submitted **meets** the minimum requirements of the above standard. The length of char on the individual folded specimens shall not exceed 41.3 inches. Additionally, no specimen shall continue flaming for more than two (2) seconds after the test flame is removed and no residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

Brian S. Dement

BSD/mr

500D Oxford Polyester | CA Title 19 Sec. 1237

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June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 500X500D,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	3.3	4.6
2	0.0	14.0	2.8	3.6
3	0.0	0.0	4.8	3.4
4	0.0	0.0	3.5	4.3
5	0.0	0.0	4.1	4.5
Avg.	0.0	2.8		

The sample submitted, in its original state, **meets** the minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

Brian S. Dement

BSD/mr

500D Oxford Polyester | CA Title 19 Sec. 1237

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Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 500X500D,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. **The sample was tested after 72 hours of leaching.** The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	3.5	4.2
2	0.0	0.0	4.0	3.5
3	0.0	0.0	3.3	3.2
4	0.0	0.0	3.9	3.8
5	0.0	0.0	3.5	3.6
Avg.	0.0	0.0		

The sample submitted, when tested after 72 hours of leaching, **meets** minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

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Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 500X500D,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. **The sample was tested after 100 hours of accelerated weathering.** The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	4.6	3.9
2	0.0	0.0	3.7	3.8
3	0.0	0.0	4.6	3.9
4	0.0	0.0	3.8	4.0
5	0.0	0.0	4.1	4.1
Avg.	0.0	0.0		

The sample submitted, when tested after 100 hours accelerated weathering, **meets** the minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

250D Oxford Polyester | CA Title 19 Sec. 1237

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June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 250X250D,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	3.5	4.5
2	0.0	0.0	3.8	3.6
3	0.0	0.0	3.6	3.4
4	0.0	0.0	3.7	3.8
5	0.0	0.0	4.0	3.7
Avg.	0.0	0.0		

The sample submitted, in its original state, **meets** the minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

250D Oxford Polyester | CA Title 19 Sec. 1237

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Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 250X250D,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. **The sample was tested after 72 hours of leaching.** The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	5.0	4.5
2	0.0	0.0	4.5	4.1
3	0.0	0.0	3.3	3.6
4	0.0	0.0	4.3	4.2
5	0.0	0.0	4.3	4.0
Avg.	0.0	0.0		

The sample submitted, when tested after 72 hours of leaching, **meets** minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

250D Oxford Polyester | CA Title 19 Sec. 1237

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Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 250X250D,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. **The sample was tested after 100 hours of accelerated weathering.** The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	4.4	4.3
2	0.0	0.0	4.9	4.8
3	0.0	0.0	4.5	4.3
4	0.0	0.0	4.4	4.2
5	0.0	0.0	4.3	4.5
Avg.	0.0	0.0		

The sample submitted, when tested after 100 hours accelerated weathering, **meets** the minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

400g PVC | CA Title 19 Sec. 1237

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June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **PVC FABRIC, LAMINATED 400 GR/M²,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	3.5	3.3
2	0.0	0.0	4.2	3.6
3	0.0	0.0	4.0	4.1
4	0.0	0.0	3.1	4.9
5	0.0	0.0	3.6	4.8
Avg.	0.0	0.0		

The sample submitted, in its original state, **meets** the minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

400g PVC | CA Title 19 Sec. 1237

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6965 Northpark Blvd
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Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **PVC FABRIC, LAMINATED 400 GR/M²,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. **The sample was tested after 72 hours of leaching.** The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	4.1	4.1
2	0.0	0.0	3.7	3.4
3	0.0	0.0	4.0	4.3
4	0.0	0.0	3.6	3.5
5	0.0	0.0	3.8	4.2
Avg.	0.0	0.0		

The sample submitted, when tested after 72 hours of leaching, **meets** minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

Brian S. Dement

BSD/mr

500D Oxford Polyester | CPAI-86 Sec.6

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June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 500X500D**, was received and tested in accordance with **CPAI 84, "A Specification For Flame Resistant Materials Used In Camping Tentage," (Wall and Top Material)**. The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	3.7	3.2
2	0.0	18.0	0.0	0.0	3.7	5.2
3	0.0	17.0	0.0	0.0	3.6	6.2
4	0.0	0.0	0.0	0.0	3.9	3.7
Avg.	**4.4**				**4.2**	

The sample submitted, when tested in its **original state**, **does not meet** the minimum requirements of the above standard. When the untreated weight of the sample is over 6.0 oz./sq. yd. but not over 8.0 oz./sq. yd., the maximum average char length may not exceed 6.5 inches, with no individual specimen exceeding10.0 inches. Additionally, the average afterflame may not exceed 2.0 seconds with no individual value exceeding 4.0 seconds and there may be no residual flame on any of the specimens tested.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

250D Oxford Polyester | CPAI-86 Sec.6

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June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

Attached are the test results on one (1) fabric sample, identified as **POLYESTER OXFORD 250X250D**. The sample was received and tested in accordance with CPAI 84, "A Specification for Flame Resistant Materials Used In Camping Tentage," Section 6, Wall and Top Material.

Per the above test procedure, the sample was tested in its original state, after 72 hours of leaching and after 100 standard hours of accelerated weathering.

The sample submitted **meets** the minimum requirements of the above standard. When the untreated weight of the sample is over 4.0 oz./sq. yd. but not over 6.0 oz./sq. yd., the maximum average char length may not exceed 7.5 inches, with no individual specimen exceeding 10.0 inches. Additionally, the average afterflame may not exceed 2.0 seconds with no individual value exceeding 4.0 seconds and there may be no residual flame on any of the specimens tested.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

250D Oxford Polyester | CPAI-86 Sec.6

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Lab Identification No. 30751
Page 2

Test Procedure: CPAI 84, "A Specification for Flame Resistant Materials Used in Camping Tentage," Section 6, Wall and Top Material

Sample Identification: **POLYESTER OXFORD 250X250D**

ORIGINAL STATE

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	4.8	5.0
2	0.0	0.0	0.0	0.0	5.3	5.3
3	0.0	0.0	0.0	0.0	5.4	4.3
4	0.0	0.0	0.0	0.0	5.2	4.2
Avg.	**0.0**				**4.9**	

AFTER LEACHING

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	4.3	4.9
2	0.0	0.0	0.0	0.0	4.8	5.0
3	0.0	0.0	0.0	0.0	4.6	5.0
4	0.0	0.0	0.0	0.0	4.1	4.2
Avg.	**0.0**				**4.6**	

AFTER ACCELERATED WEATHERING

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	3.8	4.7
2	0.0	0.0	0.0	0.0	5.4	4.4
3	0.0	0.0	0.0	0.0	4.1	4.2
4	0.0	0.0	0.0	0.0	4.5	4.3
Avg.	**0.0**				**4.4**	

CONCLUSION: **PASS**

400g PVC | CPAI-86 Sec.6

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Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

Attached are the test results on one (1) fabric sample, identified as **PVC FABRIC, LAMINATED 400 GR/M²**. The sample was received and tested in accordance with CPAI 84, "A Specification for Flame Resistant Materials Used In Camping Tentage," Section 6, Wall and Top Material.

Per the above test procedure, the sample was tested in its original state, after 72 hours of leaching and after 100 standard hours of accelerated weathering.

The sample submitted **meets** the minimum requirements of the above standard. When the untreated weight of the sample is over 10.0 oz./sq. yd., the maximum average char length may not exceed 4.5 inches, with no individual specimen exceeding 10.0 inches. Additionally, the average afterflame may not exceed 2.0 seconds with no individual value exceeding 4.0 seconds and there may be no residual flame on any of the specimens tested.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

Brian S. Dement

BSD/mr

400g PVC | CPAI-86 Sec.6

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Lab Identification No. 30751
Page 2

Test Procedure: CPAI 84, "A Specification for Flame Resistant Materials Used in Camping Tentage," Section 6, Wall and Top Material

Sample Identification: **PVC FABRIC, LAMINATED 400 GR/M²**

ORIGINAL STATE

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	4.4	4.8
2	0.0	0.0	0.0	0.0	4.2	4.7
3	0.0	0.0	0.0	0.0	4.2	4.8
4	0.0	0.0	0.0	0.0	4.3	4.5
Avg.	0.0				4.5	

AFTER LEACHING

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	3.1	4.3
2	0.0	0.0	0.0	0.0	4.5	4.0
3	0.0	0.0	0.0	0.0	4.4	4.3
4	0.0	0.0	0.0	0.0	4.1	4.4
Avg.	0.0				4.1	

AFTER ACCELERATED WEATHERING

Test Results

Specimen Number	After Flame (sec)		Residual Flame (sec)		Char Length (in)	
	Length	Width	Length	Width	Length	Width
1	0.0	0.0	0.0	0.0	4.3	4.2
2	0.0	0.0	0.0	0.0	3.8	3.4
3	0.0	0.0	0.0	0.0	4.0	2.8
4	0.0	0.0	0.0	0.0	4.3	3.9
Avg.	0.0				4.0	

CONCLUSION: **PASS**

400g PVC | CPAI-86 Sec.6

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TESTING LABORATORIES, INC.
WORLDWIDE SERVICE

"We Test Per Your Request"

336 WEST FRONT STREET
P.O. BOX 4004
BURLINGTON, NORTH CAROLINA 27215
PHONE (336) 227-7710 • FAX (336) 227-1175
www.diversifiedtestinglabs.com

June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

Attached are the test results on one (1) fabric sample, identified as **PVC FABRIC, LAMINATED 400 GR/M²**. The sample was received and tested in accordance with **CPAI 84, "A Specification For Flame Resistant Materials Used In Camping Tentage," Section 5, Flooring Material.**

Per the above test procedure, the sample was tested in its original state, after 72 hours of leaching and after 100 standard hours of accelerated weathering.

The sample submitted **meets** the minimum requirements of the above standard. No specimen shall be damaged to within 25 mm of the specimen holder.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

DIVERSIFIED TESTING LABORATORIES, INC. SEAL 1975 NORTH CAROLINA

400g PVC | CPAI-86 Sec.6

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Lab Identification No. 30751
Page 2

Test Procedure: CPAI 84, "A Specification For Flame Resistant Materials Used In Camping Tentage," Section 5, Flooring Material

Sample Identification: **PVC FABRIC, LAMINATED 400 GR/M²**

ORIGINAL STATE

Test Results

Specimen Number	Uncharred Area (mm)
1	84
2	89
3	89
4	86

AFTER LEACHING

Test Results

Specimen Number	Uncharred Area (mm)
1	91
2	90
3	95
4	90

AFTER ACCELERATED WEATHERING

Test Results

Specimen Number	Uncharred Area (mm)
1	89
2	84
3	84
4	86

CONCLUSION: **PASS**

500D Oxford Polyester | CAN/ULC-S109-14

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www.diversifiedtestinglabs.com

June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 500X500D,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. **The sample was tested after 72 hours of leaching.** The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	3.5	4.2
2	0.0	0.0	4.0	3.5
3	0.0	0.0	3.3	3.2
4	0.0	0.0	3.9	3.8
5	0.0	0.0	3.5	3.6
Avg.	0.0	0.0		

The sample submitted, when tested after 72 hours of leaching, **meets** minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

500D Oxford Polyester | CAN/ULC-S109-14

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August 21, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 31956
Invoice No. 63106

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 500D,** was received and tested in accordance with CAN/ULC-S109-14, "Standard for Flame Tests of Flame-Resistant Fabrics and Films", Large-Flame Test. The results are as follows:

Specimen Number	Residual Flame (Seconds)	Char Length (Millimeters)
Length 1	0.0	140
Length 2	0.0	51
Width 1	0.0	89
Width 2	0.0	102

The fabric sample submitted **meets** the minimum requirements of the Large-Flame Test. The length of char on the individual folded specimens shall not exceed 635 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

250D Oxford Polyester | CAN/ULC-S109-14

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June 18, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 30751
Invoice No. 62145

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 500X500D,** was received and tested in accordance with the California Administrative Code Title 19--Public Safety, Section 1237. Flame Resistance, Small Scale Test. **The sample was tested after 72 hours of leaching.** The results are as follows:

Test Results

Specimen Number	After Flame (sec)		Char Length (in)	
	Length	Width	Length	Width
1	0.0	0.0	3.5	4.2
2	0.0	0.0	4.0	3.5
3	0.0	0.0	3.3	3.2
4	0.0	0.0	3.9	3.8
5	0.0	0.0	3.5	3.6
Avg.	0.0	0.0		

The sample submitted, when tested after 72 hours of leaching, **meets** minimum requirements of the above standard. The char length may not exceed 6.0 inches for any individual specimen and the average afterflame time may not exceed 4.0 seconds in the length or width directions.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

250D Oxford Polyester | CAN/ULC-S109-14

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www.diversifiedtestinglabs.com

December 20, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 33569
Invoice No. 64779

Dear Mr. Russell:

One (1) fabric sample, identified as **POLYESTER OXFORD 250D,** was received and tested in accordance with CAN/ULC-S109-14, "Standard for Flame Tests of Flame-Resistant Fabrics and Films", Small-Flame Test. The results are as follows:

	Test Results			
Specimen Number	Residual Flame (sec)		Damaged Length (mm)	
	Warp	Fill	Warp	Fill
1	0.0	0.0	127	130
2	0.0	0.0	142	124
3	0.0	0.0	114	124
4	0.0	0.0	122	137
5	0.0	0.0	137	155
Avg.			131	

The fabric sample submitted **meets** the minimum requirements of the Small-Flame Test. The maximum average damaged length shall not exceed 165 millimeters and the maximum damaged length for any individual specimen shall not exceed 190 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

400g PVC | CAN/ULC-S109-14

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December 20, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 33569
Invoice No. 64779

Dear Mr. Russell:

One (1) fabric sample, identified as **PVC 400GR,** was received and tested in accordance with CAN/ULC-S109-14, "Standard for Flame Tests of Flame-Resistant Fabrics and Films", Small-Flame Test. The results are as follows:

Test Results

Specimen Number	Residual Flame (sec)		Damaged Length (mm)	
	Warp	Fill	Warp	Fill
1	0.0	0.0	109	160
2	0.0	0.0	135	145
3	0.0	0.0	124	140
4	0.0	0.0	137	160
5	0.0	0.0	132	165
Avg.			141	

The fabric sample submitted **meets** the minimum requirements of the Small-Flame Test. The maximum average damaged length shall not exceed 165 millimeters and the maximum damaged length for any individual specimen shall not exceed 190 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

400g PVC | CAN/ULC-S109-14

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December 20, 2018

Mr. Justin D. Russell
ZINGERLE GROUP USA, INC.
6965 Northpark Blvd
Suite N
Charlotte, NC 28216

Reference: Laboratory Test Report
Lab Identification No. 33569
Invoice No. 64779

Dear Mr. Russell:

One (1) fabric sample, identified as **PVC 400GR,** was received and tested in accordance with CAN/ULC-S109-14, "Standard for Flame Tests of Flame-Resistant Fabrics and Films", Large-Flame Test. The results are as follows:

Specimen Number	Residual Flame (Seconds)	Char Length (Millimeters)
Length 1	>30.0	813
Length 2	0.0	648
Width 1	0.0	381
Width 2	>30.0	445

The fabric sample submitted **does not meet** the minimum requirements of the Large-Flame Test. The length of char on the individual folded specimens shall not exceed 635 millimeters. No residues shall fall to the floor of the test chamber and continue flaming for more than two (2) seconds at any time during the test.

If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr

500D Oxford Polyester | EN 13501-1:2007

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

250D Oxford Polyester | EN 13501-1:2007

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

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	0.12 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

400g PVC | EN 13501-1:2007

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

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

Certifications and Test Reports

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

Product Service

CERTIFICATE

No. B 046481 0020 Rev. 00

Holder of Certificate: **ZINGERLE Group SpA**
Via Förche 7
39040 Natz-Schabs (BZ)
ITALY

Certification Mark:

Product: **Pavilion**
Folding pavilion

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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 713372301-001

Valid until: 2030-06-29

Date, 2025-07-02

i.A. ppa.

(Gerhard Hintereder)

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 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

SDHG

SGS CSTC Standards Technical Services Co., Ltd. | 1/F, Building,European Industrial Park,No.1 Shunkeren Road,Wanbo Section,Dalang Town,Shunde,Foshan,Guangdong,China 528333 t (86-757)22805888 f (86-757)22805858 www.cn.sgs.com
中国·广东·佛山市顺德区大良智造办事处王涌顺和南路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

1/1

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

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**

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

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.

Dr. Ulrike Klobes
Leiter der Prüfstelle

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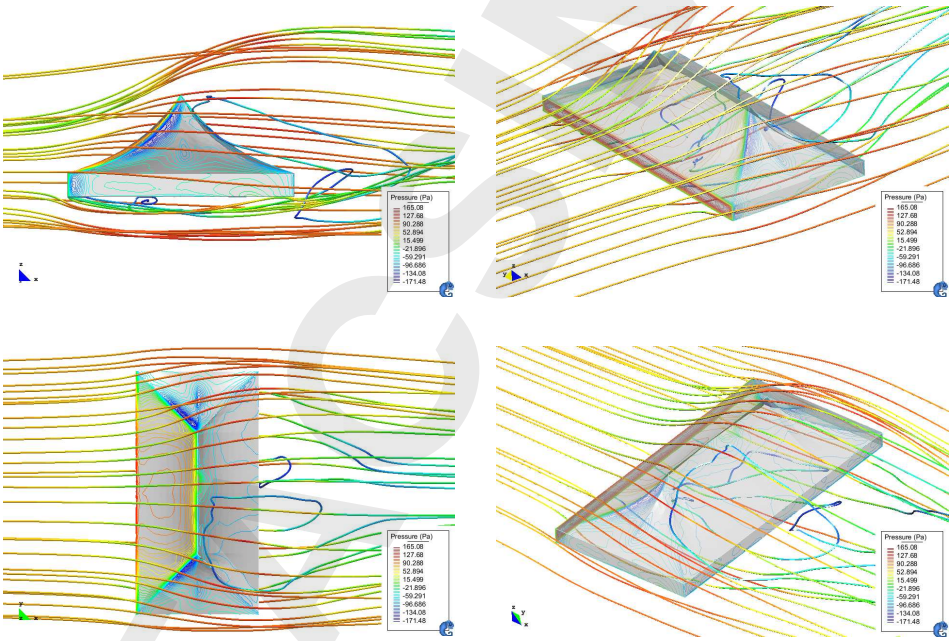
ANALYSIS OF GAZEBOS ACCORDING TO EN1990 + EN1991-1-4

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:

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

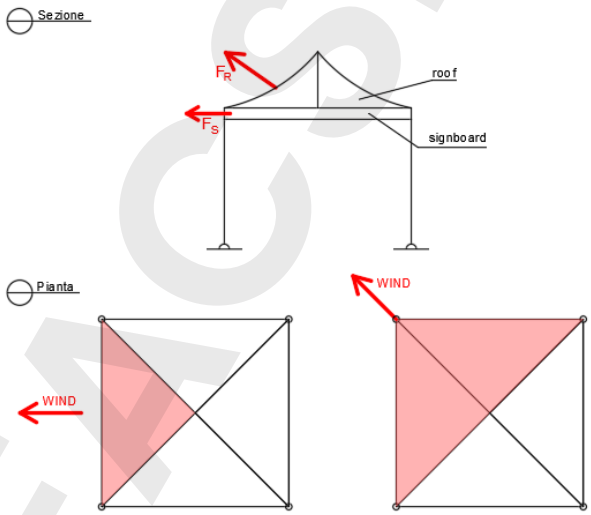


Figure 1 Force application

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

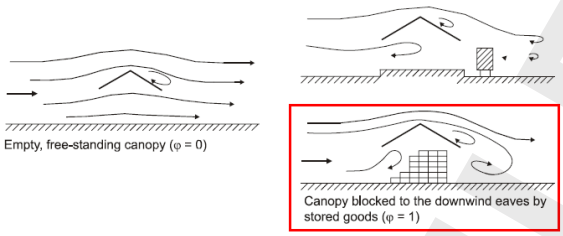


Figure 2 Wind flow (extracted by EN 1991-1-4)

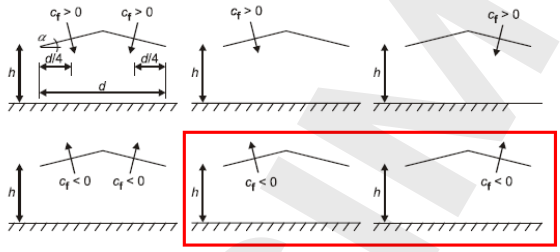
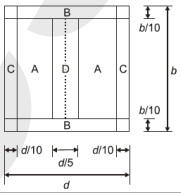


Figure 3 Wind load on duopitch roof (extracted by EN 1991-1-4)

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):

$$c_f = 180 \quad (7.7)$$

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)

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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

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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.

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Mainzer Str. 29, D-64521 Groß-Gerau, Tel. 06152/93030

Example on the 3x3 m variant

PROFILES

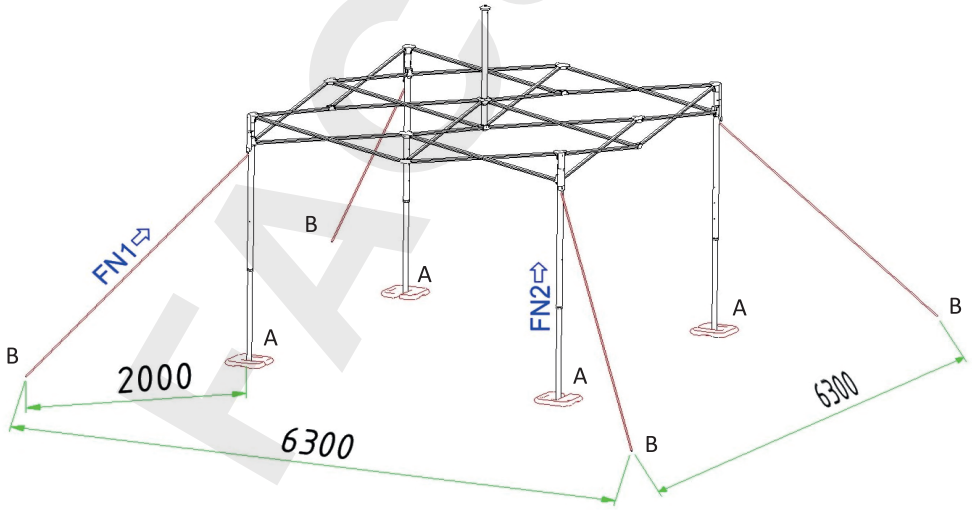
upright profile 46/46/2,45/1,95 EN AW-6060 T6
Foot Profile 37,8/37,8/1,75/1,3 EN AW-6060 T6
Stay Profile 30/15/2,8/0,8 EN AW-6063 T66
Ridge pole Profile 43/43/1,95/1,5 EN AW-6060 T6
Bracing Steel wire rope Ø 10 mm, EN 12385-4, 6x19 M-FC 1770
alternatively truck tensioning belt (with sufficient load-bearing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

SV Cert.

Reg. No. 661/Q-082

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

SV Cert. Group

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 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 COMERCIALĂ CUI: RO15561729 CETATE PRODUCTION SRL * Sat SUBCETATE Com. ZETEA HARGHITA-ROMANIA

The president Szabó Imre

1/1

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

1/1

B.U. PRODUCTS CONFORMITY ASSESSMENT – EMC & RADIO EQUIPMENT LABORATORY

Mod. TRF2176/2

IMQ S.p.A. • www.imq.it
IT • 20138 MI • via Quintiliano 43

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 Romain Jun 24 2019 9:33 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

Test Report | LED Spotlights

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39042 Bressanone (BZ)

ELEKTRO PLAICKNER

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 BRIX BN - BRESSANONE (BZ)
Tel. 0472 068 311 - Fax 0472 069638
Mwst Nr. - P.IVA

(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'impainato 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.
Datum 17.06.2021 Data	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	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

MPA Dresden

Prüfzeugnis

Test certificate

Nr./*No.* 20201103/01.1

Auftraggeber: *Sponsor:*	ZINGERLE GROUP AG Förche 7 39040 Natz-Schabs; Italien
Hersteller: *Manufacturer:*	[redacted]
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: *Information:*	Dieses Prüfzeugnis wurde zweisprachig (deutsch/englisch) erstellt. In Zweifelsfällen ist der deutsche Wortlaut maßgeblich. *The test certificate is produced bilingual (German and English). In case of doubt the German wording is valid.*

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Amtsgericht Chemnitz HRB 28268
Steuernummer: 220/114/03364
USt-IdNr. DE291271296

Sparkasse Mittelsachsen
Poststraße 1a
09599 Freiberg
IBAN DE68 87052000311502467[illegible]

1 Allgemeines
General information

Produktname: Firelock
Product name:

Prüfungsumfang: Prüfung des Brandverhaltens nach DIN 4102-1:1998-05[1] Abschnitt 6.1
Extent of testing: Reaction to fire test acc. DIN 4102-1:1998-05[1] paragraph 6.1

Prüfungsgrundlagen:
Test basis:
- DIN 4102-1:1998-05
- DIN 4102-15:1990-05[2] und/*and* DIN 4102-16:2015-09[3]
- 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. Dr.-Ing. A. Meißner
Prüfstellenleiter Brandschutz
Laboratory Manager

Prüfen • Überwachen • Zertifizieren • MPA Dresden GmbH • MPA Dresden

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

Certificate | IEC Radiant Heater

	Ref. Certif. No.
IEC IECEE CB SCHEME	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 Note: *When more than one factory, please report on page 2* Note: *Lorsque il y plus d'une usine, veuillez utiliser la 2ème page*	TEO TERM Andrzej i Danuta Wrońscy Sp. j. ul. Wiejska 2D, 05-805 Otrębusy, Poland. ☐ 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 2ème 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 Ed. 5 IEC 60335-2-30:2009 Ed. 5
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

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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

2/2

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)	

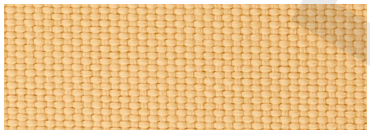
Data sheet | Oxford 250D

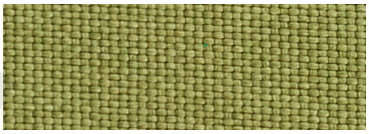
Oxford 250D

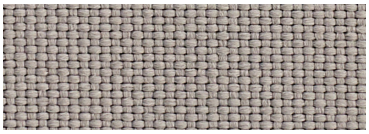
Yarn count	250D	
Weight	160 g/m²	
Density	54 (warp) x 45 (weft) per inch²	
Finishing	PU colour 3x, ANTI-UV	
Elongation (EN 53360)	11,2 % permanent elongation	
Highest traction (ISO 13934-1:1999 - Mean value from five levels each)	warp	1.198N
	weft	815 N
Bending strength (DIN EN ISO 32100)	without UV 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

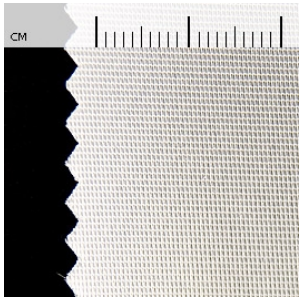
EUROPAS GROSSE WIRKWARENPRODUZENTEN

Product 8029FLBF

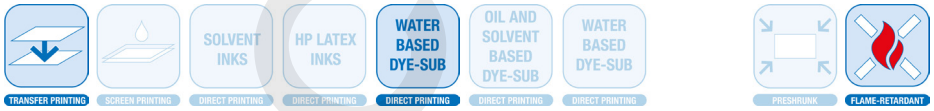
Taft aus Wirkware

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

ZINGERLE
GROUP

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