



AERONAUTICAL RESEARCH AND TEST INSTITUTE, Plc.  
199 05 Praha - Letňany  
Department of Aerodynamics

Certificate No.: P-AER-160/09

## PROTOCOL FROM THE WIND RESISTANCE TEST

Producer : **Expotrade Group GmbH**  
Herrschaftswiesen 17, 6842 Koblach, Austria

### OBJECT: Tent Expodome diameter 6 m with one vizor

Based on the producer's declaration the standard product made by the producer was used for the test - aluminum profiles structure with the textile cover. The anchorage of the tent during the test simulated the usual anchorage in the ground. The test was carried out in accordance with the Approval Certificate of the VZLÚ, a.s. Praha-Letňany, Low Speed Aerodynamics Department, No. L-3-017/7.

The test was performed applying the method of the wind simulated by car motion. The speed was measured by the ALMEMO 2290-3 device, No. 953321 with the SCHILTKNECHT probe, No. S04126. During the test a photo documentation were made, which can be asked at the producer.

The test started with the airflow speed of  $5 \text{ m.s}^{-1}$  (18 kph). The speed was gradually accelerated by  $1 \text{ m.s}^{-1}$  (3.6 kph), and the time of keeping the speed constant was 15 seconds as a minimum, which was sufficient for determining the acting force.

Within above written testing conditions, the tent Expodome diameter 6 m with one vizor, anchored by five belts, resisted without a damage the airflow of the speed 59,1 km/h ( $16,4 \text{ m.s}^{-1}$ ) – equal to 7 Bf, in the position of tent side perpendicular to the airflow

The results of the test are related only to the tested object. The producer states in the Statement of conformity that the sample for the wind-resistance test were produced according to the technical documentation for the product and using the technology for usual serial production. Any part of this record not to be allowed to used separately without the VZLÚ a.s. AER department authorization.

Issue date: 24.11.2009

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Copy no.:

Ing. Stanislav Egrmajer  
head of Aerodynamics dpt.

VÝZKUMNÝ A ZKUŠEBNÍ LETECKÝ ÚSTAV a.s.  
Aerodynamika  
Beranových 130  
199 05 P R A H A - Letňany  
(1)

VZLÚ, a.s., Beranových 130, 199 05 Praha – Letňany, Czech Republic  
Id. No.: 00010669 VAT No.: 009-00010669 Registered at the Commercial Court in Prague, div. B, part 446.  
tel: +420 225 115 260 fax: +420 286 920 518 e-mail: egrmajer@vzlu.cz www.vzlu.cz

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**199 05 Praha - Letňany**  
**Department of Aerodynamics**

Certificate No.: P-AER-157/09

## **PROTOCOL FROM THE WIND RESISTANCE TEST**

Producer : **Expotrade Group GmbH**  
Herrschaftswiesen 17, 6842 Koblach, Austria

### **OBJECT: Tent Expodome diameter 6 m with three side walls**

Based on the producer's declaration the standard product made by the producer was used for the test – aluminum profiles structure with the textile cover. The anchorage of the tent during the test simulated the usual anchorage in the ground. The test was carried out in accordance with the Approval Certificate of the VZLÚ, a.s. Praha-Letňany, Low Speed Aerodynamics Department, No. L-3-017/7.

The test was performed applying the method of the wind simulated by car motion. The speed was measured by the ALMEMO 2290-3 device, No. 953321 with the SCHILTKNECHT probe, No. S04126. During the test a photo documentation were made, which can be asked at the producer.

The test started with the airflow speed of  $5 \text{ m.s}^{-1}$  (18 kph). The speed was gradually accelerated by  $1 \text{ m.s}^{-1}$  (3.6 kph), and the time of keeping the speed constant was 15 seconds as a minimum, which was sufficient for determining the acting force.

**Within above written testing conditions, the tent Expodome diameter 6 m with three side walls, anchored by five belts, resisted without a damage the airflow of the speed  $51,1 \text{ km/h}$  ( $14,2 \text{ m.s}^{-1}$ ) – equal to 7 Bf, in the position of tent side perpendicular to the airflow**

The results of the test are related only to the tested object. The producer states in the Statement of conformity that the sample for the wind-resistance test were produced according to the technical documentation for the product and using the technology for usual serial production. Any part of this record not to be allowed to used separately without the VZLÚ a.s. AER department authorization.

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Aerodynamika  
Beranových 130  
199 05 P R A H A - Letňany  
(1)



**AERONAUTICAL RESEARCH AND TEST INSTITUTE, Plc.**  
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**Department of Aerodynamics**

Certificate No.: P-AER-154/09

## **PROTOCOL FROM THE WIND RESISTANCE TEST**

Producer : **Expotrade Group GmbH**  
Herrschaftswiesen 17, 6842 Koblach, Austria

### **OBJECT: Tent Expodome diameter 6 m with three side walls**

Based on the producer's declaration the standard product made by the producer was used for the test – aluminum profiles structure with the textile cover. The anchorage of the tent during the test simulated the usual anchorage in the ground. The test was carried out in accordance with the Approval Certificate of the VZLÚ, a.s. Praha-Letňany, Low Speed Aerodynamics Department, No. L-3-017/7.

The test was performed applying the method of the wind simulated by car motion. The speed was measured by the ALMEMO 2290-3 device, No. 953321 with the SCHILTKNECHT probe, No. S04126. During the test a photo documentation were made, which can be asked at the producer.

The test started with the airflow speed of  $5 \text{ m.s}^{-1}$  (18 kph). The speed was gradually accelerated by  $1 \text{ m.s}^{-1}$  (3.6 kph), and the time of keeping the speed constant was 15 seconds as a minimum, which was sufficient for determining the acting force.

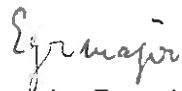
**Within above written testing conditions, the tent Expodome diameter 6 m with three side walls, anchored by ten weight, each 48 pounds, resisted without a damage the airflow of the speed 24,8 km/h ( $6,9 \text{ m.s}^{-1}$ ) – equal to 4 Bf, in the position of tent side perpendicular to the airflow**

The results of the test are related only to the tested object. The producer states in the Statement of conformity that the sample for the wind-resistance test were produced according to the technical documentation for the product and using the technology for usual serial production. Any part of this record not to be allowed to used separately without the VZLÚ a.s. AER department authorization.

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Certificate No.: P-AER-148/09

## **PROTOCOL FROM THE WIND RESISTANCE TEST**

Producer : **Expotrade Group GmbH**  
Herrschaftswiesen 17, 6842 Koblach, Austria

### **OBJECT: Tent Expodome diameter 6 m**

Based on the producer's declaration the standard product made by the producer was used for the test – aluminum profiles structure with the textile cover. The anchorage of the tent during the test simulated the usual anchorage in the ground. The test was carried out in accordance with the Approval Certificate of the VZLÚ, a.s. Praha-Letňany, Low Speed Aerodynamics Department, No. L-3-017/7.

The test was performed applying the method of the wind simulated by car motion. The speed was measured by the ALMEMO 2290-3 device, No. 953321 with the SCHILTKNECHT probe, No. S04126. During the test a photo documentation were made, which can be asked at the producer.

The test started with the airflow speed of  $5 \text{ m.s}^{-1}$  (18 kph). The speed was gradually accelerated by  $1 \text{ m.s}^{-1}$  (3.6 kph), and the time of keeping the speed constant was 15 seconds as a minimum, which was sufficient for determining the acting force.

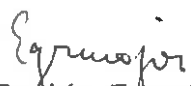
**Within above written testing conditions, the tent Expodome diameter 6 m, anchored by five weight, each 48 pounds, resisted without a damage the airflow of the speed 37,4 km/h ( $10,4 \text{ m.s}^{-1}$ ) – equal to 5 Bf, in the position of tent side perpendicular to the airflow**

The results of the test are related only to the tested object. The producer states in the Statement of conformity that the sample for the wind-resistance test were produced according to the technical documentation for the product and using the technology for usual serial production. Any part of this record not to be allowed to used separately without the VZLÚ a.s. AER department authorization.

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**VÝZKUMNÝ A ZKUSEBNÍ LETECKÝ ÚSTAV a.s.**  
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Beranových 130  
**199 05 P R A H A - Letňany**  
(1)



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Certificate No.: P-AER-151/09

## **PROTOCOL FROM THE WIND RESISTANCE TEST**

Producer : **Expotrade Group GmbH**  
Herrschaftswiesen 17, 6842 Koblach, Austria

### **OBJECT: Tent Expodome diameter 6 m**

Based on the producer's declaration the standard product made by the producer was used for the test – aluminum profiles structure with the textile cover. The anchorage of the tent during the test simulated the usual anchorage in the ground. The test was carried out in accordance with the Approval Certificate of the VZLÚ, a.s. Praha-Letňany, Low Speed Aerodynamics Department, No. L-3-017/7.

The test was performed applying the method of the wind simulated by car motion. The speed was measured by the ALMEMO 2290-3 device, No. 953321 with the SCHILTKNECHT probe, No. S04126. During the test a photo documentation were made, which can be asked at the producer.

The test started with the airflow speed of  $5 \text{ m.s}^{-1}$  (18 kph). The speed was gradually accelerated by  $1 \text{ m.s}^{-1}$  (3.6 kph), and the time of keeping the speed constant was 15 seconds as a minimum, which was sufficient for determining the acting force.

**Within above written testing conditions, the tent Expodome diameter 6 m, anchored by ten weight, each 48 pounds, resisted without a damage the airflow of the speed 48,3 km/h ( $13,4 \text{ m.s}^{-1}$ ) – equal to 6 Bf, in the position of tent side perpendicular to the airflow**

The results of the test are related only to the tested object. The producer states in the Statement of conformity that the sample for the wind-resistance test were produced according to the technical documentation for the product and using the technology for usual serial production. Any part of this record not to be allowed to used separately without the VZLÚ a.s. AER department authorization.

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tel: +420 225 115 260 fax: +420 286 920 518 e-mail: egrmajer@vzlu.cz www.vzlu.cz

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Certificate No.: P-AER-148/09

## **PROTOCOL FROM THE WIND RESISTANCE TEST**

Producer : **Expotrade Group GmbH**  
Herrschaftswiesen 17, 6842 Koblach, Austria

### **OBJECT: Tent Expodome diameter 6 m**

Based on the producer's declaration the standard product made by the producer was used for the test – aluminum profiles structure with the textile cover. The anchorage of the tent during the test simulated the usual anchorage in the ground. The test was carried out in accordance with the Approval Certificate of the VZLÚ, a.s. Praha-Letňany, Low Speed Aerodynamics Department, No. L-3-017/7.

The test was performed applying the method of the wind simulated by car motion. The speed was measured by the ALMEMO 2290-3 device, No. 953321 with the SCHILTKNECHT probe, No. S04126. During the test a photo documentation were made, which can be asked at the producer.

The test started with the airflow speed of  $5 \text{ m.s}^{-1}$  (18 kph). The speed was gradually accelerated by  $1 \text{ m.s}^{-1}$  (3.6 kph), and the time of keeping the speed constant was 15 seconds as a minimum, which was sufficient for determining the acting force.


**Within above written testing conditions, the tent Expodome diameter 6 m, anchored by five weight, each 48 pounds, resisted without a damage the airflow of the speed 37,4 km/h ( $10,4 \text{ m.s}^{-1}$ ) – equal to 5 Bf, in the position of tent side perpendicular to the airflow**

The results of the test are related only to the tested object. The producer states in the Statement of conformity that the sample for the wind-resistance test were produced according to the technical documentation for the product and using the technology for usual serial production. Any part of this record not to be allowed to used separately without the VZLÚ a.s. AER department authorization.

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