

# CERTIFICATE

**VLAVIANOS SA**  
184 DEKELIAS AVE.  
GR 13677, ACHARNES ATTIKIS  
GREECE

This is to certify that

The static calculation of the supporting system "ALUMINUM ON FLOOR GLASS SUPPORT" of the company VLAVIANOS SA, described in the attached Annex I, has been elaborated according to the essential requirements of the following standards and regulations:

- Eurocode 1 (EN 1991): Actions on structures – General actions
- Eurocode 3 (EN 1993): Design of steel structures
- Eurocode 9 (EN 1999): Design of aluminium structures
- EN 1990 : Basis of structural design

Certificate No: **4820/18**



Organization of Certification  
TÜV AUSTRIA HELLAS

Athens, 26/06/2018

TÜV AUSTRIA HELLAS  
429 Mesogeion Ave.  
153 43 Agia Paraskevi, Athens, Greece  
[www.tuvaustriahellas.gr](http://www.tuvaustriahellas.gr)



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# ANNEX I to Certificate No. 4820/18

TYPE	APPROVAL DATE	ENGINEERS
"ALUMINUM ON FLOOR GLASS SUPPORT"	JUNE 2018	GEORGE NTOUNIS / study ST18012

## Remarks:

1. The wind loads have been taken into account in accordance with Eurocode 1 "Actions on structures – General actions".
2. Glass load is mentioned.
3. The used basic loads, according to the engineer, are as follows:
  - Self weight of glass: 25 KN/m<sup>3</sup>
  - Wind Velocity  $V_b$ : 33 m/sec (EC 1)
  - Ground category: 0 (sea or coastal area) (EC 1)
  - Total structure height 19.2 m
4. The check of the members and links is being realized in accordance with the foreseen in Eurocode 9 "Design of aluminium structures".
5. The deviation limits from the members rectilinearity shall be accepted by the client.
6. The correctness -according to implemented loads regulation (i.e. EC1 etc)- of the loads combination of the study has not been checked by our Organization.
7. The check and certification of the study do not refer to numerical calculations verification. The project's engineer bears the sole responsibility for the study correctness and the numerical data authenticity.
8. The static calculation is valid for regions that according to the Regulations are each time in force, have similar characteristics to the ones taken into account in the calculations (i.e. wind load, glass load, region etc).
9. It is considered that all technical rules for the correct and workmanlike construction are followed, even if these are not explicitly mentioned in the study.



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