

# CERTIFICATE

No. MPA-BS 6000/085/15

This is to certify that the

**Structural glass/aluminum construction elements  
for internal and external use with fire resistance properties**

placed on the market by

**CLESTRA HAUSERMAN  
1 route du Docteur Albert Schweitzer  
F-67411 Illkirch**

has been assessed against the requirements of the MPA General Requirements for Certification of Fire Protection Products and is approved for use subject to the application conditions appended hereto.

This certificate remains valid till 2016-12-10.

Braunschweig, 2015-06-10



Dr.-Ing. W. Hinrichs  
Head of certification

- This document consists of 2 pages. -

This certificate relates to the use of structural glass/aluminum/steel construction elements for internal and external use with classified fire resistance properties.

### A. Test results

For the initial type testing EN 1364-1 was applied. Reference has been made to test results on structural construction elements in the report No. 05-U-173 of 28<sup>th</sup> May 2010 of efectis france, laboratory CTICM, and in the report No. 11/1 of 9<sup>th</sup> January 2012 of efectis france with reference to the latter report.

In accordance with the MPA General Requirements for Certification of Fire Protection Products the test results based on EN 1364-1 can be applied to modified products, whilst maintaining the certification, if the following conditions are met:

- a. The height of the construction may be decreased
- b. The thickness of the construction may be increased
- c. The thickness of component materials may be increased
- d. The linear dimensions of boards together with the size of insulation (but not the thicknesses as given under b and c) may be decreased
- e. The spacing of studs may be decreased

### B. Classifications

For classification EN 13501-2 has been applied. The classification reports of efectis france No. 10-A-532 of 14<sup>th</sup> March 2011, No. 10-A-531 of 14<sup>th</sup> March 2011 and No. 12-A-520 of 17<sup>th</sup> January 2013 as well as the reports No. 05-U-173 of 28<sup>th</sup> May 2010 and No. 11/1 of 9<sup>th</sup> January 2012 contain data on assemblies in order to arrive at product prescriptions that allow a classification on the basis of EN 13501-2 for given ranges of validity.

### C. Mounting

Personnel charged with the mounting of the structural construction elements must be instructed about the specific information provided in the reports mentioned above.

### D. Certification

The certification of this product is based on the MPA General Requirements for Certification of Fire Protection Products. The certification procedure applied meets the requirements of type 1a of ISO/IEC 17067.

----- End of the certificate -----

