



**TEST REPORT**  
**INITIAL TYPE TESTING**  
**ITT - 14.26 / 05.10.2015**

The tests are carried out in compliance with REGULATION (EU) No 305/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2011 (CPR) for construction products.

**Product:** Ventilated facade systems Vario Lamella – extruded aluminium facade panel

**Producer and applicant:** “ETEM Bulgaria” AD,  
Bulgaria, Sofia, 119A Ilienci blvd

**Manufacturing site:** “ETEM Bulgaria” AD,  
Bulgaria, Sofia, 119A Ilienci blvd

**Document for assignment:** Contract No 9/2014

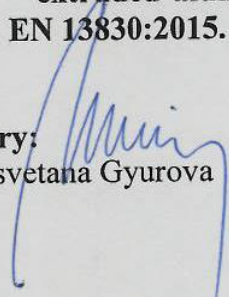
**System of assessment to conformity:** System “3” according to annex ZA of EN 13830:2015


**Basic requirements:** 4 – Safety and accessibility in use

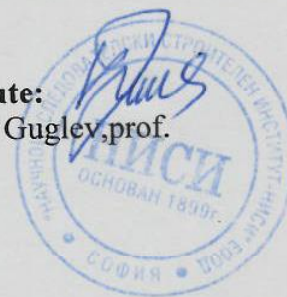
**Test sample:** Ventilated Facade System Vario Lamella - extruded aluminium facade panel with dimensions 979/2538 mm with technical specification according to Annex 1. The test sample is taken by the Applicant from the batch manufactured on 08.07.2015.

**Test period:** from 23.09.2015 to 25.09.2015

**Conclusion:** The presented sample of ventilated facade system Vario Lamella – extruded aluminium facade panel meets the requirements of EN 13830:2015.

**Head of Testing Laboratory:**   
Eng. Tsvetana Gyurova

**Head of Institute:**   
Dr. Eng. Rumén Gugley, prof.



**4. Safety and accessibility in use**

**Testing data:**

No	Characteristic	Unit of measurement	Test method	Test result	Requirement according to EN 13830: 2015
1	2	3	4	5	6
1	Resistance of wind load 1500 Pa	-	EN 12179: 2000	No malfunctions	There should be no malfunctions
2	Frontal deflection	mm	EN 12179: 2000		
2.1	- positive pressure 1000 Pa			5,22 ± 0,01	≤ 5,50
2.2	- negative pressure 1000 Pa			5,09 ± 0,01	≤ 5,50
3	Residual deformation	mm	EN 12179: 2000		
3.1	- positive pressure 1000 Pa			0,38 ± 0,01	≤ 2,20
3.2	- negative pressure 1000 Pa			0,26 ± 0,01	≤ 2,20
4	Resistance to soft and heavy body impact with energy of 300 J	-	EN 949: 1998	No malfunctions	There should be no malfunctions
5	Resistance to hard body impact with energy of 5 J	-	EN 950: 1999	No malfunctions	There should be no malfunctions

**Technical documentation:**

EN 13830:2015      Curtain walling - Product standard  
 EN 12179:2000      Curtain walling - Resistance to wind load - Test method  
 EN 13116:2001      Curtain walling - Resistance to wind load - Performance requirements  
 EN 949:1998      Windows and curtain walling, doors, blinds and shutters - Determination of  
 the resistance to soft and heavy body impact for doors  
 EN 950:1999      Door leaves - Determination of the resistance to hard body impact

Tests are carried out by  
 Eng. Emil Penev

Eng. Boyan Sapunov

Head of Testing Laboratory:  
 Eng. Tsvetana Gyurova

