BUILDING RESEARCH INSTITUTE - NISI
NOTIFIED LABORATORY
Identification number **NB 2032** of the European Commission
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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. Rumen Guglev,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