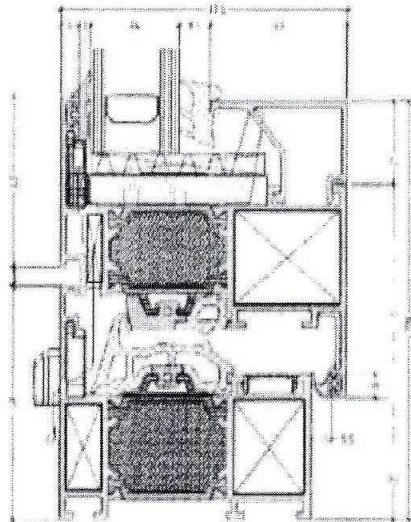


Translation from Bulgarian language

[Letterhead of Solar Project]

Report from testing
No. 32/03.02.2017

1. Windows and doors.



Aluminum window – system E 68

Dimensions: 1240 mm x 1480 mm

Frame: E68 100

Leaf: E68 200

Separator:

Glass holder: E60 237

Opening type: Biaxial opening

Rubber seal: ET130 168.00; ET130 268.00; ET130 758.00; ET130 402.00; ET130 208.00

Hardware: Giesse

Number of lockings: 6

Number of hinges: 2

Number of drainage elements: 3

Glazing type: 5/14/5

Glazing dimensions: 1055 mm x 1295 mm

2. Testing applicant: Order No. 32/01.02.2017

“Etem Bulgaria” EAD

1220 Sofia, 119 A Ilievtzi Blvd.

3. Testing methods:

BDS EN 1026:2016

BDS EN 1027:2016

BDS EN 12211:2016

4. Date of receiving the samples
(testing excerpts) in the laboratory

01.02.2017



5. Quantity of the tested samples: 1 pcs. of Aluminum Window System E 68

6. Date of performance of the test: 01.02.2017 – 03.02.2017

7. Testing results

7.1. Tests (measurements) within the scope of accreditation

No.	Name of characteristic	Value unit	Standards (validated methods)	Sample No. as per the input/output entry log	Testing results (value, uncertainty)	Indicator value and limit	Testing condition
1	2	3	4	5	6	7	8
1.	Air permeability	m ³ /h	BDS EN 1026:2016	32-03-01	6.77* ± 0.02	0-100	22°C 44% RH
2.	Watertightness	Pa	BDS EN 1027:2016	32-03-01	E1500**± 0.07	>600	22°C 44% RH
3.	Wind load resistance	mm	BDS EN 1221:2016	32-03-01	0.22***± 0.03	-25/+25	22°C 44% RH

I. Note: If necessary, the testing protocol may include opinions and interpretations for certain tests (no exceptions are allowed) only in compliance with the requirements of article 5.10.5 of BDS EN ISO/IEC 17025:2006/

II. Note: The test results only refer to the tested samples. Excerpts from the testing protocol may not be copied without the written agreement of the testing laboratory.

* The test results are compliant with Class 4. The classification is in compliance with BDS EN 12207:2003;

** The test results are compliant with Class E1500. The classification is in compliance with BDS EN 12208:2003;

*** The test results are compliant with Class 5C. The classification is in compliance with BDS EN 12211:2016;

Test performed by: [signature illegible]
/Engineer I. Georgieva/

Head of Laboratory: [signature illegible]
/Engineer P. Naydenova, PhD/

[Affixed round seal of Solar Project, test laboratory]

I, the undersigned translator Kaloyan Todorov Kirilov, do certify the translation from Bulgarian to English language of the document herewith, consisting of 2 (two) pages, is true and correct.



Translator: Kaloyan Todorov Kirilov