



TEST REPORT

№ 06/19.02.2018

1. **Doors and windows** AL Window - „ETEM E-68 “.

2. **Applicant of the test** Request No 02 / 12.02.2018
ETEM Bulgaria
119A Iliyantzi Blvd., Sofia

3. **Test methods:** BDS EN ISO 10140-2

4. **Date of receipt of test specimens in the laboratory** 12.02.2018

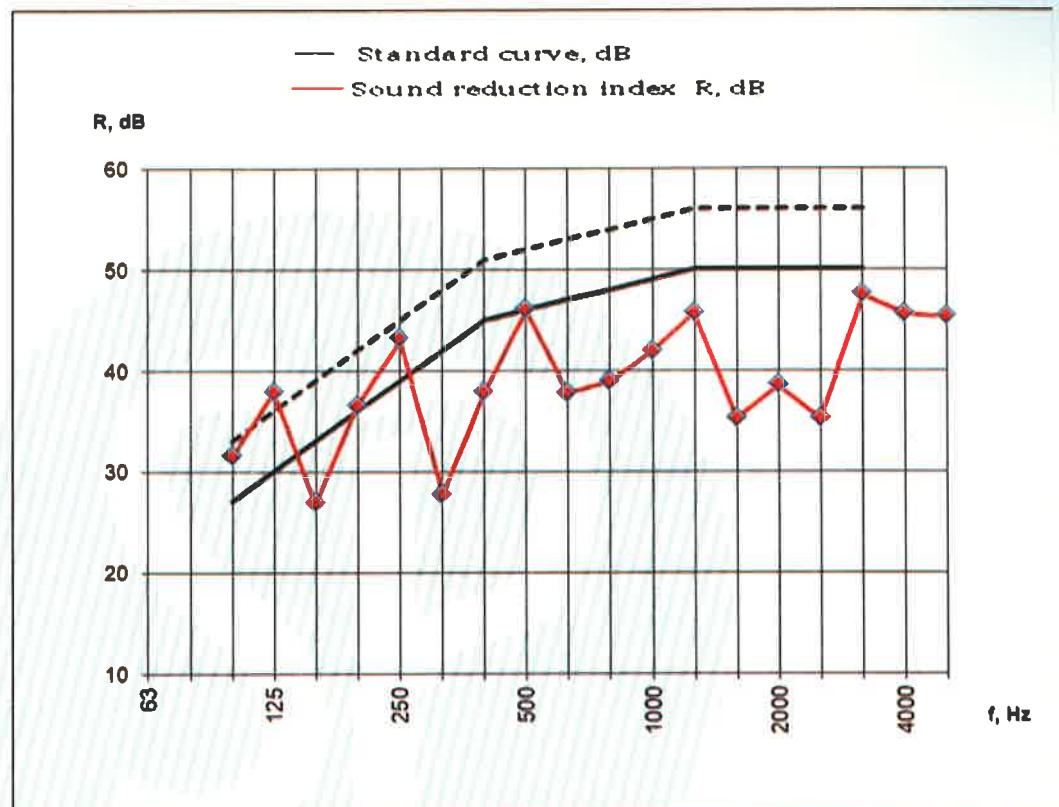
5. **Quantity of test samples:** 1 number Window - ETEM "E-68"

6. **Date of the test** 16.02.2018



| Frequency f Hz | Ln one-third octave dB |
|----------------------|------------------------------|
| 50 | - |
| 63 | - |
| 80 | - |
| 100 | 31,5 |
| 125 | 37,9 |
| 160 | 27,0 |
| 200 | 26,5 |
| 250 | 43,1 |
| 315 | 27,8 |
| 400 | 37,9 |
| 500 | 46,1 |
| 630 | 37,8 |
| 800 | 38,9 |
| 1000 | 41,9 |
| 1250 | 45,7 |
| 1600 | 35,3 |
| 2000 | 38,6 |
| 2500 | 35,3 |
| 3150 | 47,5 |
| 4000 | 45,6 |
| 5000 | 45,4 |

Legend: R-index, volume down, dB
f - frequency, Hz



Classification in accordance with ISO 717-1:

Rw (C;Ctr) = 46 (-1; -1)dB $C_{50-3150} = (-2,0)$ dB; $C_{50-5000} = (-2,0)$ dB; $C_{100-5000} = (-2,0)$ dB;

Evaluation based on results from laboratory measurements obtained engineering method:


$Ctr_{50-3150} = (-2,0)$ dB; $Ctr_{50-5000} = (-1,0)$ dB; $Ctr_{100-5000} = (-1,0)$ dB;



7. TEST RESULTS

7.2 Testing (measurements) out the scope of accreditation

| № | Name of the indicator | Units of measure | Standard methods | The samples | Test results (value, uncertainty) | Value and limit of the index | Test conditions |
|----|---------------------------|------------------|--------------------|-------------|-----------------------------------|------------------------------|-------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. | Airborne sound insulation | dB | BDS EN ISO 10140-2 | 06-03-01 | 46 | - | 22.3°C 36.3%RH |

Carried out testing: 
(eng.D.Georgiev)

Head of the laboratory: 
(Ph.D eng. P. Naydenova)

