

Evidence of Performance

Thermal transmittance



Test Report
No. 16-000936-PR02
(PB-H01-06-en-01)

Client Luoyang Landglass Technology
CO. LTD-Guangjian Building
No. 12 Wangcheng Road
471000 Luoyang-Henan
China

Basis *)
Following
EN 12211:2000-06
prEN 12494:1996-08
*) Correspond/s to the national standard/s
(e.g. DIN EN)

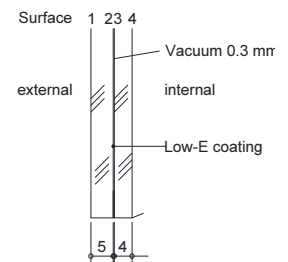
Product Low-E Vacuum insulating glass unit

Designation LandVac (Landglass Vacuum Insulating Glass)

Performance-relevant product details Insulating glass unit; Overall dimensions, width x height in mm 1000 x 1000; Configuration in mm 5TL / 0.3 Vacuum / 4T; Coating, type Low-E; Coating, position Pos. 2; Coating, emissivity $\epsilon_n = 0.05$ (Nominal value); Vacuum < 0,1 Pa (Declared vacuum level); Spacer / Edge seals Material Metal; Dimension, width in mm 12; Metal Distance pieces; Distance in mm 45; Diameter in mm 0.5; Height in mm 0.3; Material Steel; Evacuation port; Diameter in mm 10; Material Metal

Special features --

Representation



Instructions for use

This test report serves to demonstrate the thermal transmittance $U_{g,before}$ before the mechanical and climate load and the thermal transmittance $U_{g,after}$ after the mechanical and climate load. This test report can be used to evaluate the influence of the mechanical and climate load on the thermal transmittance. Due to the dimensions of the test specimens the tests were not carried out according to the standard test for glazing. The national regulations have to be observed for the national technical approval.

Results

Thermal transmittance



$$U_{g,before} = 0.4 \text{ W}/(\text{m}^2 \cdot \text{K})^*$$
$$U_{g,after} = 0.4 \text{ W}/(\text{m}^2 \cdot \text{K})^*$$

* The thermal transmittance $U_{g,before}$ and $U_{g,after}$ was determined before and after the mechanical and climate load. The thermal transmittance $U_{g,before}$ and $U_{g,after}$ was determined in the center of the glazing and does not include the influence of the edge sealing to the heat transfer. Due to the dimensions of the test specimens the tests were not carried out according to the standard test for glazing.

Validity

The data and results given relate solely to the described and tested object. Testing the thermal transmittance does not allow any statement to be made on further characteristics of the present structure which could define performance and quality.

Notes on publication

The ift-Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies. The document may only be published in full.

Contents

The report contains a total of 21 page/s and annexe (3 pages)

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