

Product types:

single tilt and turn window, ref. dim.1,23 x 1,48 m, glazing 4|16|4|16|4mm

Material: aluminium

System: WIN - AL

Trade name: WIN - AL

Test report No.: MLTB-5231-2024

Number of chapters in the report: V (from I to V), chapter V is the last in the report.

Type of test: preliminary type tests (ITT)

in accordance with PN-EN 14351-1 A2:2016 as regards test methods:

- thermal permeability of the window (calculations)
- thermal permeability of the frame (calculations)

Date of input data for calculations: 08th October 2024

ASSESSMENT OF PERFORMANCE

Nr: MLTB-5231-2024-chapter I



Initial Type Testing (ITT) consistent with the norm PN-EN 14351-1+A2:2016

System of attestation conformity (AoC): 3.

Assessment of the performance on the basis of testing/ calculation.

Reference document: Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011.

Company: **Ekoluka Key D.O.O**
Kneza Mihaila 278
34 000 Kragujevac
Republic of Serbia

Product: single tilt and turn window, ref. dim. 1,23 x 1,48 m, glazing 4|16|4|16|4 mm;
main profiles: aluminium

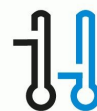
System:

WIN - AL

Trade name:

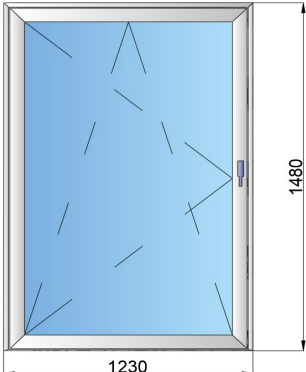
WIN - AL

Test results are included in the following test reports registered under the number of the request MLTB-5231-2024



Thermal permeability
PN-EN ISO 10077-1

Test methods:

Classification standards		PN-EN 14351-1+A2
Product type (B x H mm)		reference dimension 1230 x 1480 mm U_w 1.3 W/m ² K

Notes: Calculation executed with single chamber glazing: 4|16|4|16|4mm, U_g=0.5 W/(m²K), glazing spacer aluminium
The U_w coefficient was calculated with U_g data obtained from Guardian Glass Performance calculator. The value of the U_w has a limited purpose for evaluation of the window thermal performance and can not be used for Declaration of Performance of the window.

Mobilne Laboratorium Techniki Budowlanej Sp. z o. o.

- 1) assessment of the performance of the product made by
- 2) tests made by

Head of Laboratory Mścichowski Adam

Assistant for calculations Nowak Magdalena

2024.10.29, Wałbrzych

Initial Type Testing (ITT) remain valid until, if there is not change in the construction of window and external pedestrian doorset, the raw material or supplier of the components, or the production process, which would affect significantly one or more of the characteristics. Consistently with PN-EN 14351-1+A2:2016 point 7.5 Continuous surveillance, assessment and approval of FPC, the producer should carry out FCP assessment together with current and quality control inspections of a product at least once a year. The inspections conducted in accordance with the inspection plan should confirm that the manufactured products have the same properties as the products subject to ITT.

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