

Product types:

single tilt and turn window, ref. dim. 1,23 x 1,48 m, glazing 4|12|4mm

Material: aluminium

System: WIN - AL

Trade name: WIN - AL

Test report No.: MLTB-5163-2024

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: 05th July 2024

**Summary report for
U_w coefficient calculation
Nr: MLTB-5163-2024-chapter I**

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



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|12|4 mm;
main profiles: aluminium

System:

WIN - AL

Trade name:

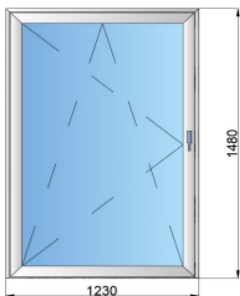
WIN - AL

Test results are included in the following test reports registered under the number of the request MLTB-5163-2024



Thermal permeability
PN-EN ISO 10077-1

Test methods:

Product type (B x H mm) 	reference dimension 1230 x 1480 mm U_w 1.8 W/m²K Notes: Calculation executed with single chamber glazing: 4 12 4mm, U_g=1.2 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.
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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

2024.07.08, Wałbrzych