INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a.s.
třída Tomáše Bati 299, Louky, 763 02 Zlín, Česká republika
Division CSI – Centre of Civil Engineering

issues

CERTIFICATE

Of the characteristic

No. 24 185 CV

Applicant: **DRUTEX S.A., ul. Lęborska 31, 77-100 Bytów, Poland**
VAT: PL8421622720

Product: **IGLO ENERGY Classic PVC Tilt and Turn window**

Manufacturer: **DRUTEX S.A., ul. Lęborska 31, 77-100 Bytów, Poland**

Product specification:

Frame and sash	Frame 70001, reinforcement 250030; sash 70013, reinforcement 250026; in the window with insulating glass unit U_g = 0,3 W/(m².K) was used fibre-glass reinforcement
Other profiles	glazing bead 70948 with extruded gasket
Glazing	Insulating triple glass unit 48 mm: 4 mm Thermofloat / 18 mm steel spacer or Swisspacer „V", argon / 4 mm Float / 18 mm steel spacer or Swisspacer „V", argon / 4 mm Thermofloat; declared value U_g = 0,5 W/(m².K)
	Insulating four glass unit 48 mm: PLANILUX 3 mm/PLANITHERM ULTRA N – Swisspacer „V" 12 mm, krypton – PLANILUX 3 mm – Swisspacer „V" 12 mm, krypton – PLANILUX 3 mm/PLANITHERM ULTRA N – Swisspacer „V" 12 mm, krypton – PLANILUX 3 mm/PLANITHERM ULTRA N; declared value U_g = 0,3 W/(m².K)
Sealing	Outer gasket: U-001; inner gasket: U-002; outer gasket of the glazing: U-001; central gasket: U-007
Hardware	All-Peripheral hardware MACO MULTI-MATIC, 9-point closure, safety-catch, 2x hung and tilt hinges, handle

Product characteristic:

Title of tested parameter	Testing method	Results
Thermal transmittance U_{st} - with steel spacer, U_g = 0,5 W/(m².K) - with Swisspacer „V", U_g = 0,5 W/(m².K) - with Swisspacer „V", U_g = 0,3 W/(m².K)	ČSN EN 12567-1:2011	0,87 W/(m².K) 0,81 W/(m².K) 0,59 W/(m².K)

This certificate confirms the result of the test of the characteristic of the tested specimen of the above product:

- The first and the second result U_{st} = U_w fulfils the standard ČSN 73 0540-2:2011 for recommended thermal transmittance: $U_w \leq U_{rec,20}$ = 1,2 W/(m².K)
- The third result U_{st} = U_w fulfils the standard ČSN 73 0540, part 2 for recommended thermal transmittance for passive buildings: $U_w \leq U_{pas,20}$ = (0,80 až 0,60) W/(m².K)

Documents: Test report No. 288/13, ATL No. 1007.1, CSI a.s. Zlín from 2013-11-06

The certificate is only valid for the tested specimen of the product, the specification of which is detailed in the above mentioned test report, and confirms only the stated test results. This certificate does not replace the obligation of the manufacturer to carry out a conformity assessment in accordance with the applicable regulations governing the marketing of construction products in the country of intended use of the product.

Prepared by: Petr Pokorný
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Ing. Vlastimil Kučera, Ph.D.
Director of division CSI