



INSTITUT PRO TESTOVÁNÍ A CERTIFIKACI, a.s.
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Division CSI – Centre of Civil Engineering



issues

CERTIFICATE

of the characteristics
No. 24 064 CV

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

Product: PVC window IGLO ENERGY system Tilt and Turn

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

Product specification:

Frame and sash	Frame 70001 / frame reinforcement 229030; sash 70011 / sash reinforcement 250025
Other profiles	glazing bead 70948 with extruded gasket
Glazing	insulating triple glass unit 48 mm: 4 mm coating glass TMP / 18 mm steel spacer/Swisspacer Ultimate, argon / 4 mm float clear glass / 18 mm steel spacer/Swisspacer Ultimate, argon / 4 mm coating glass TMP
Sealing	outer gasket: U-001; inner gasket: U-002; outer glazing gasket: 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 - with Swisspacer Ultimate	ČSN EN ISO 12567-1:2011	0,83 W/(m ² .K) 0,79 W/(m ² .K)

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

The first result $U_{st} = U_w$ fulfils the standard ČSN 73 0540-2:2011 for the recommended thermal transmittance: $U_w = 0,83 \leq U_{rec,20} = 1,2$ W/(m².K)

The second result $U_{st} = U_w$ fulfils the standard ČSN 73 0540-2:2011 for the recommended thermal transmittance for passive buildings: $U_w = 0,79 \leq U_{pas,20} = (0,80 - 0,60)$ W/(m².K)

Documents: Test report No. 263/12, ATL No. 1007.1, CSI a.s. Zlín from 2012-10-18

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: Ing. Nizar Al-Hajjar
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