



**CENTRUM STAVEBNÍHO INŽENÝRSTVÍ a.s.**  
(Building Engineering Centre, joint-stock company)  
Workplace in ZLÍN, K Cihelně 304, 764 32 ZLÍN - Louky

issues to

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

# CERTIFICATE

Of the product characteristic

No. CV – 17 – 287/Z

**Product:** PVC window, IGLO ENERGY system

**Manufacturer:** See Applicant

**Description:**

Frame and sash	Frame 70001, reinforcement 229030; sash 70011, 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, argon / 4 mm float clear glass / 18 mm steel spacer/Swisspacer, argon / 4 mm coating glass TMP; declared value $U_g = 0,5 \text{ W}/(\text{m}^2 \cdot \text{K})$
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

**Result:**

Title of tested parameter	Testing method	Result
Thermal transmittance $U_{st}$ - with steel spacer - with Swisspacer "V"	ČSN EN ISO 12567-1	0,83 $\text{W}/(\text{m}^2 \cdot \text{K})$ 0,79 $\text{W}/(\text{m}^2 \cdot \text{K})$

**This Certificate proves the conformity of above given product properties with the required standard values:**

The first result  $U_{st} = U_w$  fulfils the standard ČSN 73 0540, part 2 for recommended thermal transmittance:  
 $U_w = 0,83 \text{ W}/(\text{m}^2 \cdot \text{K}) \leq U_{rec,20} = 1,2 \text{ W}/(\text{m}^2 \cdot \text{K})$   
The second result  $U_{st} = U_w$  fulfils the standard ČSN 73 0540, part 2 for recommended thermal transmittance for passive buildings:  $U_w = 0,79 \text{ W}/(\text{m}^2 \cdot \text{K}) \leq U_{pas,20} = (0,80 - 0,60) \text{ W}/(\text{m}^2 \cdot \text{K})$

**Background documents:** Test report No. 263/12. CSI, a.s. Zlín, AO 212

*This Certificate applies only for a product which its specification is given in the test report in detail. It certifies only above given properties and neither implies nor substitutes certification in accordance with the Law No. 22/1997 Coll. on technical requirements for products.*

**Issue date:** 17.04.2017  
**Valid till:** 31.05.2019  
**Elaborated by:** Ing. Nizar Al-Hajjar



Ing. Vladan Panovec  
Workplace head