



**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. Leborska 31, 77-100 Bytów, Poland

# CERTIFICATE

Of the product characteristic

No. CV – 13 – 052/Z

**Product:** Frames of PVC window, IGLO ENERGY system with fibreglass reinforcement in the frame and in the sash

**Manufacturer:** See Applicant

**Description:**

Frame and sash	Frame 70001, reinforcement P121772, U profile 35 mm x 26 mm; sash 70011, reinforcement: P121772, U profile 35 mm x 26 mm
Other profiles	glazing bead 70948 with extruded gasket
Insulating panel	Sandwich panel 48,3 mm thick: 1,5 mm PVC – 45,3 mm PUR foam - 1,5 mm PVC
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 $U_f$	ČSN EN 12412-2	0,88 W/(m <sup>2</sup> .K)

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

The measured result fulfils the standard ČSN 73 0540, part 2  
– for recommended thermal transmittance for passive buildings:  $U_{pas,20} \leq (0,9 - 0,7) \text{ W/(m}^2 \cdot \text{K)}$

**Background documents:** Test report No. 028/13. 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: 23.1.2013  
Valid till: 23.1.2015  
Elaborated by: Ing. Nizar Al-Hajjar



RNDr. Josef Vrána, CSc.  
Workplace head