



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 – 16 – 415/Z

Product: PVC window, IGLO 5 system CLASSIC with double and triple insulating glass unit

Manufacturer: See Applicant

Description:

Frame and sash	Frame 50001/ reinforcement 250024; sash 50013/ reinforcement: 250024; glazing bead with gasket 50924, 50936
Sealing	Joint gasket: inner and outer SECIL 02, outer glazing sealing SECIL 01
Glazing	Double glass unit: Float 4 mm – steel spacer, or stainless spacer, or Swisspacer 16 mm, argon – Clima Guard Premium 4 mm, $U_g = 1,0 \text{ W}/(\text{m}^2 \cdot \text{K})$; Triple glass unit: Clima Guard Premium 4 mm - steel spacer, or stainless spacer, or Swisspacer 12 mm, argon - Float 4 mm – steel spacer, or stainless spacer, or Swisspacer 12 mm, argon - Clima Guard Premium 4 mm, $U_g = 0,7 \text{ W}/(\text{m}^2 \cdot \text{K})$
Hardware	All-Peripheral hardware MACO MULTI – MATIC KS, 8- point closure, safety-catch, handle

Result:

Title of tested parameter	Calculated method	Result
Thermal transmittance U_w	ČSN EN ISO 10077-1	
- window with double glass unit/steel spacer		1,2 $\text{W}/(\text{m}^2 \cdot \text{K})$
- window with double glass unit/stainless spacer		1,1 $\text{W}/(\text{m}^2 \cdot \text{K})$
- window with double glass unit/Swisspacer		1,1 $\text{W}/(\text{m}^2 \cdot \text{K})$
- window with triple glass unit/steel spacer		0,96 $\text{W}/(\text{m}^2 \cdot \text{K})$
- window with triple glass unit/ stainless spacer		0,93 $\text{W}/(\text{m}^2 \cdot \text{K})$
- window with triple glass unit/ Swisspacer		0,89 $\text{W}/(\text{m}^2 \cdot \text{K})$

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

The results of U_w fulfil the standard ČSN 73 0540, part 2 for recommended thermal transmittance:

$$U_w \leq U_{\text{rec},20} = 1,2 \text{ W}/(\text{m}^2 \cdot \text{K})$$

Background documents: Calculation report No. 302/10. 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: 17.08.2016
Valid till: 17.08.2018
Elaborated by: Ing. Nizar Al-Hajjar



Ing. Vladan Panovec
Workplace head