CSI CENTRUM STAVEBNIHO INZENYRSTVI a.s. (Building Engineering Centre) with a seat in ZLIN, K Cihelne 304, 764 32 ZLIN

issues to

Applicant:

DRUTEX S.A.

ul. Leborska 31, 77-100 Bytów, Poland

CERTIFICATE

OF THE PRODUCT CHARACTERISTICS No. CV - 16 - 303/Z

Product: Manufacturer: PVC windows, IGLO 5 system, with IGU, with double- and triple glass units

see Applicant

Description:

Description.			
Frame and sash	Frame 50001 / reinforcement 250024; sash 50011 / reinforcement: 250024; glazing beawith 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, $U_g = 1.0 \ W/(m^2.K)$; 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, $U_g = 0.7 \ W/(m^2.K)$		
Hardware	All peripheral hardware MACO MULTI TREND, MAYER&CO BESCHLAGE GMBH, 8-point closure, safety catch, handle		

Result:

Tested parameter	Calculation method	Result
Thermal Transmittance U_w - window with double glass unit /steel spacer - window with double glass unit /stainless spacer - window with double glass unit /Swisspacer - window with triple glass unit /steel spacer - window with triple glass unit /stainless spacer - window with triple glass unit /Swisspacer - window with triple glass unit /Swisspacer	CSN EN ISO 10077-1	1.2 W/(m ² .K) 1.2 W/(m2.K) 1.2 W/(m2.K) 1.0 W/(m2.K) 0.99 W/(m2.K) 0.95 W/(m2.K)

This Certificate proves the conformity of the above listed products with the required standard values:

Meets the standard CSN 73 0540, part 2

- for recommended thermal transmittance

 U_{rec} , 20 = 1.2 W/(m^2 , K)

Source documents: Calculation report No. 175/10. CSI a.s. Zlin, AO 212

This Certificate applies only to the product the specification of which was given in the Test Report. It certifies only the above given properties and neither implies or substitutes the certification in accordance with the Law No. 22/1997 Coll. on technical requirements for products.

Date of issue:

21.05.2016

-/- a seal of

(illegible signature)

Date of validity:

21.05.2018

CENTRUM

Ing. Vladan

Elaborated by:

STAVEBNIHO

Panovec

Ing. Nizar AI-Hajjar

INZENYRSTVI a.s.

Plant Head

I, Anita Myszk - a court certified translator of English, chartered by the Polish Ministry for Justice (entry no. TP/4172/05) - hereby certify that the above is a true and complete translation of the presented document in Polish.

Translator's register no. ..