



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

issues to

Applicant: "STOLLAR-SYSTEMY OKIENNE" SPÓŁKA Z OGRANICZONĄ
ODPOWIEDZIALNOŚCIĄ
Ul. OSIEDLE LESK 20
19-400 OLECKO, POLSKO

CERTIFICATE

Of the product characteristic

No. CV – 13 – 851/Z

Product: IV 78 PLUS wooden window

Manufacturer: See Applicant

Description:

Frame and sash	three layers jointed glued pine prism, (84 x 86) mm size
Oter profiles	Frame drip ALURON No. ATW/19/25 and sash drip ALURON No. APZ 20
Glazing	Insulating triple glass unit(IGU) 40 mm thickness: 4 mm Pilkington Optitherm S3 / 14 mm TGI spacer, argon / 4 mm Pilkington Optifloat Clear/ 14 mm TGI spacer, argon / 4 mm Pilkington Optitherm S3 ; $U_g = 0,6 \text{ W}/(\text{m}^2.\text{K})$
Sealing	Inside: 1-cellular, soft foam filled cavity sealing, inserted, in the corners bent, central: 2-cellular, soft foam filled cavity sealing, inserted, in the corners bent
The way of panel installing	Glazing bead System. Around the perimeter is sealed on both sides of the insulating panel by silicone sealant „ Den Braven = TEC SIL NOF 4711“
Hardware	All-Peripheral - MACO MULTI-TREND i.S. (MACO MULTI-MATIC i.S.), 11 point closure, controlling by one handle, 2 tilt and turn hinges bolted to the face

Result:

Title of tested parameter	Calculating method	Result
Thermal transmittance U_w	ČSN EN ISO 10077-1	0,87 $\text{W}/(\text{m}^2.\text{K})$

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

Fulfills the standard ČSN 73 0540, part 2
- for recommended thermal transmittance


$$U_w = 0,87 \leq U_{\text{rec},20} = 1,2 \text{ W}/(\text{m}^2.\text{K})$$

Background documents: Calculation report No. V – 164/13. 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: 01.12.2013
Valid till: 01.12.2015
Elaborated by: Ing. Nizar Al-Hajjar




Ing. Zbislav Panovec, CSc.
Workplace head