



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

issues to

Applicant: Alois Bouchal, ALBO - Stolařství
751 22 Osek nad Bečvou 95

CERTIFICATE

No. CV - 08 - 0818/Z

Product: EURO ALBO AL-TREND PASIV single-light wood window with aluminium thermal insulated sheathing

Manufacturer: See Applicant

Description:

Frame and sash design consisted of three-layer joining on baulk – spruce, 65/80-frame, 68/80-sash; outside sheathing; wood glazing bar, rain bar; joint sealing - central SP125, - second additional inner sealing in the sash S6645 – DEVENTER, next outside profiled sealing DE27 in the frame; glazing – insulating triple glazing: Planitherm Ultra N 4 mm/ Swisspacer SWS 12 mm, Argon / Float 4 mm/ Swisspacer SWS 12 mm, Argon/ Planitherm Ultra N 4 mm; glazing mounted from the exterior fixed by aluminium sheathing, supported by PVC plates, supplied by rubber packing from the both sides; decompression and drainage one hole (9,5x4,5) mm on each sash corner, frame drainage 2 holes of diameter 8 mm in the inlet and outlet; all-periphery fittings ROTO NT, six-point closure window catch, two opening and tilting hinges with microventilation.

Title of tested parameter	Testing method	Result
Thermal transmittance U_w	ČSN EN ISO 12567-1	0,90 W/(m ² .K)
Inside surface temperature θ_{si}	ČSN 73 0546	$\theta_{si} = 10,4$ °C; $\theta_{sp} = 21$ °C, $\theta_e = -15$ °C

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

Fulfils the standard ČSN 73 0540, part 2

- for maximum recommended thermal transmittance

$$U_{N(w)} \leq 1,2 \text{ W/(m}^2\text{.K)}$$

- for required value of the inside surface minimum temperature factor $f_{Rsi,N}$:


$$f_{Rsi} = 0,705 \geq f_{Rsi,N} = 0,700 \text{ pro } \theta_{sp} = 21 \text{ °C, } \theta_e = -15 \text{ °C a } \varphi_i = 50 \%$$

Background documents: Test report No. 161/08. 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: 9.6.2008
Valid till: 9.6.2010
Elaborated by: Ing. Nizar Al-Hajjar


RNDr. Josef Vrána, CSc.
head of workplace