



**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 - 0861/Z

**Product:** EURO IV-68 single-light wood window

**Manufacturer:** See Applicant

**Description:**

Frame and sash design consisted of three-layer joining on baulk – spruce, 68/80; wood glazing bar, outer and inner transparent silicon glass sealing; inner and central joint gasket DEVENTER 125, bended and inserted into groove, continuous cutting out in the corners; glazing – insulating double glazing: Planitherm Ultra N 4 mm, normal emisivity  $\varepsilon = 0,03$  / stainless steel spacer 16 mm, Argon/Float 4 mm; sill drip DONAU THERMO, all-periphery fittings ROTO NT, Germany, five-point closure window catch, two OS hinges with microventilation.

Title of tested parameter	Testing method	Result
Thermal transmittance $U_w$	ČSN EN ISO 12567-1	1,28 W/(m <sup>2</sup> .K)
Inside surface temperature $\theta_{si}$	ČSN 73 0546	$\theta_{si} = 10,3$ °C; $\theta_{sp} = 21$ °C, $\theta_e = -15$ °C

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

Fulfills the standard ČSN 73 0540, part 2

- for maximum required thermal transmittance

$$U_{N(w)} \leq 1,70 \text{ W/(m}^2\text{.K)}$$

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

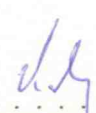
$$f_{Rsi} = 0,704 \geq f_{Rsi,N} = 0,700 \text{ pro } \theta_{sp} = 21 \text{ °C, } \theta_e = -15 \text{ °C a } \varphi_i = 50 \%$$

**Background documents:** Test report No. 181/05. 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