



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 – 17 – 717/Z

Product: **Wooden window frames IV 78 PLUS type**

Manufacturer: See Applicant

Description:

Frame and sash	Three layers jointed glued pine prism, (84 x 86) mm size
Other profiles	Frame drip ALURON No. ATW/19/25 and sash drip ALURON No. APZ 20
Insulating	Sandwich panel 44,0 mm thick: 14 mm plywood / 16 mm thermal insulation PUR foam / 14 mm plywood
Sealing	Inside: one-chamber cavity gasket filled in with a soft foam, inserted and bent in the corners; central: two one-chamber cavity gasket filled in with a soft foam, inserted and bent in the corners
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	Testing method	Result
Thermal transmittance U_f	ČSN EN 12412-2	1,1 W/(m ² .K)

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

The result U_f fulfils the standard ČSN 73 0540, part 2 for recommended thermal transmittance:
 $U_f \leq U_{rec,20} = 1,3 \text{ W/(m}^2\text{.K)}$

Background documents: Test report No. 328/13. 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: 01.12.2017
Valid till: 01.12.2019
Elaborated by: Ing. Nizar Al-Hajjar

Ing. Vladan Panovec
Workplace head