



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

issues to

Applicant: ETIK Kft.
Deák Ferenc u. 118, 8060 Mór, HUNGARY

CERTIFICATE

Of the product characteristic

No. CV – 15 – 072/Z

Product: The frame profiles of VEKA Alphaline 90 MD PVC Tilt and Turn window with insulating infill panel

Manufacturer: ETIK Kft., Asztalos u. 1, 8060 Mór, Hungary

Description:

Frame and sash	Frame 101.236, 90 mm thick; sash 103.312, 84 mm thick; frame reinforcement 113.025, 1,5 mm thick; sash reinforcement 113.292, 1,5 mm thick; the main chambers of the frame and the sash filled with insulating material PURENIT RG30 type with declared value $\lambda = 0,021$ W/(m.K); the same material is filled in the another chamber of the frame – see annex No. 1 of the test report 065/15
Insulating panel	Double sandwich infill panel with total thickness 47,2 mm; one panel consist of: 1,5 mm PVC – 20,6 mm thermal insulation Stadurp. – 1,5 mm PVC
Sealing	inner and central gasket situated in the sash: PVC-P, inserted, welded in the corners; outer gasket situated in the frame: PVC-P, inserted, welded in the corners; outer gasket of the glazing PVC-P, welded in the corners
Other profiles	PVC glazing bead with coextruded gasket, cut in the corners
Hardware	All-Peripheral Hardware ROTO NT, 6 point closure, 2 tilt and turn hinges, handle with safety-catch

Result:

Title of tested parameter	Testing method	Result
Thermal transmittance U_f	ČSN EN 12412-2	0,87 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 of passive buildings:

$$U_f \leq U_{pas,20} = (0,90 - 0,70) \text{ W/(m}^2\text{.K)}$$

Background documents: Test report No. 065/15. 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: 20. 2. 2015
Valid till: 20. 2. 2017
Elaborated by: Ing. Nizar Al-Hajjar



Ing. Vladan Panovec
Workplace head