



CENTRUM STAVEBNÍHO INŽENÝRSTVÍ a.s.
workplace ZLÍN, K Cihelné 304, 764 32 ZLÍN - Louky

issues to

Applicant: „DOBROPLAST“ Fabryka Okien i Drzwi pcv Renata Kaczyńska
Laskowiec Stary 4, 18-300 Zambrów, Polska

CERTIFICATE

No. CV - 09 - 0091/Z

Product: Plastic window type AVANTGARDE Windows

Manufacturer: see applicant

Description:

Design:	six casement window opening outward, bottom side-hung casements, upper top hung casement
Frame / reinforcement	6010 (70 x 55) mm / 4012/4013 thickness 1,25 mm
Casement / reinforcement	6001 (70 x 75) mm / 4016/4017 thickness 1,25 mm
Other profiles / reinforcement	mullion 6021 / 4010 thickness 1,25 mm
Glazing	Insulating double glazing of thickness 24 mm: GLAMAX Thermo.Float, Thermofloat, Argon; glazing bead 6030 with coextruder gasket, outer A-600 in the corners bent
Hardware	Multi-point hardware ROTO: each casement - 2x hinges with restrictor, 2 locking points (two positions), operating by handle with lock
Dimension - frame	2380 x 1560 mm

Results:

Title of the tested characteristic	Unit	Test method	Results
Resistance to wind load ($p_1=1200$ Pa; $p_2=600$ Pa; $p_3=1800$ (Pa)	(mm)	ČSN EN 12211	(13,05 - 13,82)
Gap air penetration 600 Pa $\leq i_{LV,n} \leq 0,10 \cdot 10^{-4}$ ($m^3/(m.s.Pa^{0,87})$)		ČSN EN 1026	$0,04 \cdot 10^{-4}$ $m^3/(s.m.Pa^{0,87})$
Watertightness without penetration	(Pa)	ČSN EN 1027	600
Load-bearing capacity of safety devices	(N)	ČSN EN 14609	350

This Certificate approves conformity of the above mentioned properties of the product values declared by the manufacturer.

It conforms to: ČSN EN 12210 Resistance to wind load Class A3;
ČSN EN 12207 Air permeability Class 3;
ČSN EN 12208 Watertightness Class 9A;
ČSN EN 14351-1 Load-bearing capacity of safety devices - hold load of 350 N

Background documents: Test Report No. 372/08. CSI, a.s. Zlín, AO 212

The Certificate applies only for product which its specification is given in the Test Report in detail. The Certificate verifies the above mentioned product properties, however, it does not represent nor substitute the certification in accordance with Act No. 22/1997 Coll. on Technical Requirements for Products.

Date of issue: 13.03.2009
Valid till: 13.03.2011
Elaborated by: Miroslav Kofistka



RNDr. Josef Vrána, CSc.
Head of Workplace