

Evidence of Performance

Air permeability, Watertightness static, Resistance to wind load



Test Report

No. 16-000229-PR02

(PB-B01-02-en-01)

Client	ETEM COMMERCIAL AND INDUSTRIAL LIGHT METALS S.A. 1-4, Iroon Polytechniou Str., 190 18 Magoula Greece
Product	Stick construction with incorporated units
Designation	E85
Material	Aluminium profiles with thermal break
Overall dimensions (W x H)	4,490 mm x 2,920 mm
Construction project ¹⁾	"Project in Turkey"
Special features	- T-joints and glazing gaskets additional sealed using pourable sealant. The durability and material compatibility of the seals shall be ensured. - Sliding window with internal visible water guide

Basis

EN 13830:2003-09

Test standard/s:

EN 12153:2000-06

EN 1026:2000-06

EN 12155:2000-06

EN 1027:2000-06

EN 12179:2000-06

EN 12211:2000-06

Correspond/s to the national standard/s (e.g. DIN EN)

Representation



Results

	Facade construction	Insert units (Sliding window / Tilt and turn window)
	Air permeability	
	EN 12152:2002-02	EN 12207:1999-11
	Joint length - related Class AE Overall area - related Class A4	openable joints ^{*)} $Q_{j(600 Pa)} < 2.0 m^3 / hm$
	Watertightness - static	
	EN 12154:1999-12	EN 12208:1999-11
	Class RE₉₀₀	Class E 900
	Resistance to wind load	
	EN 13116:2001-07	-/-
	Design load $\pm 1.50 kN/m^2$ Safety load $\pm 2.25 kN/m^2$	Design load (P1) $F_p < 1/300$ to $\pm 1.2 kN/m^2$ Pulsating pressure (P2) $\pm 0.6 kN/m^2$ Safety load (P3) $\pm 1.8 kN/m^2$

^{*)} Classification as per EN 12207 is not possible. The requirements for air permeability of the test chamber set out by EN 1026, Clause 7.2.1 were not fulfilled.

ift Rosenheim

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Instructions for use

The results obtained can be used by the manufacturer for preparing the Declaration of Performance in accordance with the Construction Products Regulation 305/2011/EU. The provisions of the applicable product standard have to be observed.

Observe the specifications set out by the applicable product standard.

¹⁾ According to the manufacturer, the facade originates from the specified construction project and was selected by the client as representative building component.

Validity

The data and results refer solely to the tested and describes specimen. Classification remains valid as long as the product and the above basis remain unchanged. The results can be extrapolated under the manufacturer's own liability subject to observance of the relevant specifications set out by the applicable product standard. This test/evaluation does not allow any statement to be made on any further characteristics regarding performance and quality of the construction presented, in particular the effects of weathering and ageing were not taken into account

Notes on publication

The ift-Guidance Sheet "Advertising using ift test documents" applies. The cover sheet cannot be used as an abstract.

The report contains a total of 59 pages.