

Evidence of Performance

Air permeability
Watertightness static / dynamic
Resistance to wind load, Impact resistance



Test Report 108 37666e

Translation of Test Report 108 37666 dated 13 February 2009

Client	System manufacturer: ETEM S.A. light metals industry 1 Iroon Polytechniou Str. 19018 Magoula Greece	Metal manufacturer: GIG Fassaden GmbH Industriestr. 30 4800 Attnang-Puchheim Austria
Product	Unitised construction	
System	ETEM E-90	
Overall dimensions (W x H)	5,200 mm x 6,130 mm	
Frame material	Aluminium profiles with thermal break	

Basis

Test sequence according to EN 13830:2003-09, Curtain walling – Product standards
Method Statement by the company GIG Fassaden GmbH dated 15 December 2008

Test standards

EN 12153, EN 12155
EN 12179, EN 14019
ENV 13050
Corresponds to the national standard (DIN EN)

Representation



Test		Classification / Results
		Facade construction
	Air permeability	A4
EN 12152		
	Water-tightness static	R7
EN 12154		
	Water-tightness dynamic	188 Pa / 563 Pa
ENV 13050		
	Resistance to wind load	Design load $\pm 1.5 \text{ kN/m}^2$ Safety load $\pm 2.25 \text{ kN/m}^2$
EN 13116		
	Impact resistance	I4 / E4
EN 14019		

npd = no performance determined

Instruction for use

The present test report serves to demonstrate the above characteristics for curtain walling according to EN 13830: 2003-09. The results obtained can be used by the manufacturer as the basis for the manufacturer ITT test report summary. The conditions and requirements set out by EN 13830: 2003-09 shall be observed.

Validity

The data and results provided refer solely to the tested and described specimen.

The test does not allow any statement to be made on further characteristics of the present structure regarding performance and quality, in particular the effects of weathering and ageing.

ift Rosenheim
3 March 2009

Jörn Peter Lass, Dipl.-Ing. (FH)
Head of Testing Department
ift Centre Windows & Facades

Dirk Köberle, Dipl.-Ing. (FH)
Test engineer
ift Centre Windows & Facades

Notes on publication

The ift-Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies.

The cover sheet can be used as an abstract.

Contents

The report contains a total of 70 pages