

# Test Report

## Resistance to wind load

Test report No.: 2021-0003-004\_en



**PLANECO**

DEVELOPMENT CONSULTANTS

Client VIOMAL S.A.  
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Product	Add-on roller shutter box with lateral guides
System Designation	Roller shutter 225X230 with H45
Material	Roller shutter box: aluminium Roller shutter guide: aluminium Shutter curtains: aluminium
Shutter curtain	Lamella cross section: 45 mm x 8.2 mm
Overall dimensions (WxH)	Test specimen 1: 1400 mm x 2600 mm Test specimen 2: 2200 mm x 1400 mm
Special features	-/-

### Results

Resistance to wind loads according to EN 13659:2004+A1:2008

**W<sub>1,294</sub> x H<sub>2,370</sub> \*) Class: 6**

**W<sub>2,094</sub> x H<sub>1,170</sub> \*) Class: 5**

Non-harmonized version at the time of testing –

Resistance to wind loads according to EN 13659:2015

**W<sub>1,294</sub> x H<sub>2,370</sub> \*) Class: 6**

**W<sub>2,094</sub> x H<sub>1,170</sub> \*) Class: 5**

\*) visible curtain size

**PLANECO** Mon. EPE  
01 March 2021

Dr. Georgios Moustakidis  
General Manager

### Basis

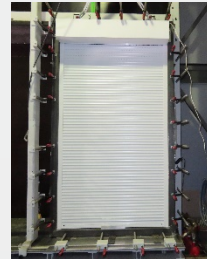
EN 13659:2004+A1:2008  
Shutters - Performance requirements including safety

EN 13659:2015  
Shutters and external venetian blinds – Performance requirements including safety

\*)and corresponding national versions e.g. EAOT EN  
EN 1932:2013-06  
External blinds and shutters – Resistance to wind loads – Method of testing an performance criteria

Method N°3:  
use of a pneumatic device

### Representation



Test Rig

LWW Test Rig – ETEM S.A.  
Calibrated by ift Rosenheim

### Instruction 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.

### Validity

There is no time limit.

When using this document the up-to-dateness of above basis and the conformity of the product have to be observed.

The report contains a total of 14 pages