

# Water Tightness



Glas Vision 3000 windows have been fully independently tested by ift Rosenheim in Germany (full test results are available upon request) for Watertightness, i.e. the ability of the window system to resist water penetration to the internal face after spraying the window and then applying pressure to the external face of the window in set steps from zero up to 600Pa.

The sample windows were tested to EN 1027 : 2000-06 and the results are classified in accordance with EN 12208 : 1999-11.

BS 6375-1 : 2004 recommends a class 3A or 100Pa for most locations in the UK rising to class 5A or 200Pa for extreme conditions.

The performance levels achieved by the Vision 3000 product are well in excess of these requirements and, in the case of the tilt & turn and bottom hung casements, reached the maximum pressure able to be applied to a window (1050Pa) in the ift Rosenheim laboratories.

With the outstanding performance figures, you can be rest assured that the Vision 3000 product will be suitable for any almost any application, even for the most extreme conditions.

## Evidence of Performance

Resistance to wind load  
Watertightness  
Air permeability  
Operating forces

Test Report 102 32005/2e

This is a translation of Test Report 102 32005/2 dated 2 October 2006

Client ERNE AG Holzbau  
Fensterysteme  
Werkstraße 3

5080 Laufenburg  
Switzerland

Product Single side-hung window with fixed side light  
Designation Vision 3000 T2  
Overall dimensions (W x H) 1230 mm x 1480 mm  
Frame material Wood profiles (pine) with external aluminium cladding  
Special features -/-



Basis  
EN 14351-1 : 2006-03,  
Windows and external doors –  
Product standard  
Test standard:  
EN 1027 : 2000-06  
EN 1027 : 2000-06  
EN 12211 : 2000-06  
EN 12046-1 : 2003-11

Representation



Instructions for use  
The present test report serves to demonstrate the above characteristics of windows according to EN 14351-1 : 2006-03.

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

Subject to compliance with the relevant casement weights, the test results can be extrapolated for constructions of identical or smaller dimensions of the same design, type of rebate and similar format.

This 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.

Publishing notes

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 11 Pages  
1 Object  
2 Procedure  
3 Detailed results

Resistance to wind load – EN 12210

Class C5/B5

Watertightness – EN 12208

Class 9A

Air permeability – EN 12207

Class 4

Operating forces – EN 13115

Class 2

ift Rosenheim  
09 October 2006

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Notified Body No. 0257  
ANAB  
Approved P42-Certified Body  
DIN EN ISO 9001:2008  
DIN EN ISO 14001:2004  
DIN EN ISO 17025:2005

## Evidence of Performance

Resistance to wind load  
Watertightness  
Air permeability  
Operating forces

Test Report 102 32005/1e

This is a translation of Test Report 102 32005/1 dated 2 October 2006

Client ERNE AG Holzbau  
Fensterysteme  
Werkstraße 3

5080 Laufenburg  
Switzerland

Product Single tilt and turn window  
Designation Vision 3000 T2  
Overall dimensions (W x H) 1230 mm x 1480 mm  
Frame material Wood profiles (pine) with external aluminium cladding  
Special features -/-



Basis  
EN 14351-1 : 2006-03,  
Windows and external doors –  
Product standard  
Test standard:  
EN 1027 : 2000-06  
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Resistance to wind load – EN 12210

Class C5/B5

Watertightness – EN 12208

Class E1050

Air permeability – EN 12207

Class 4

Operating forces – EN 13115

Class 1

ift Rosenheim  
09 October 2006

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DIN EN ISO 14001:2004  
DIN EN ISO 17025:2005

## Performance

Vision 3000 Window Type	No leakage at	Rating to EN 12208 : 1999-11
Side Hung open in	600Pa	9A
Fixed Light (min. sightline)	600Pa	9A
Fixed Light (dummy vent)	600Pa	9A
Bottom Hung open in	1050Pa (*)	E1050
Tilt and Turn	1050Pa (*)	E1050

- Tests carried out to EN 1027 : 2000-06 and are classified as EN 12208 : 1999-11.\*
- \* Maximum laboratory testable pressure (classified as E1050 for exceptional performance)
- Individual test results refer to individual window types and sizes.
- Refer to full test reports and Glas Technical for full details.