

Test results

Air permeability

Leakage at 50 Pa positive pressure: 9.4 m³/h,m²

Classification according to EN 12426: Class 2

Resistance to water penetration

The test was interrupted after 170 Pa and 55 minutes.

The result is shown more detailed in appendix 1.

Failure according to leakage H.

Classification according to EN 12425: Class 3, 150 Pa

Resistance to wind load

The door was equipped with two locking devices, one at each side of the door leaf, see picture in appendix 3.

The test was interrupted at an inner pressure of 1650 Pa.
No deformations were noted after the test.

The relation between air pressure and bending of the door leaf is shown in appendix 1.

Classification according to EN 12424: Class 5, 1200 Pa

Conditions of test

The test results refer only to the tested object.

Date of test: 2005-09-21

Date of arrival: 2005-09-20

Condition at arrival: No damage was noted

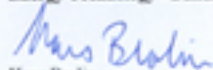
Equipment used: Test chamber no 200417, measuring equipment No. 202733, 202429 and 202735.

Estimated error margin: Air pressure difference $\pm 2\%$, air flow $\pm 5\%$ and water flow $\pm 5\%$

Ambient climate: Air temperature 23 °C, humidity 40 % and atmospheric pressure 1000 hPa

Water temperature: According to the requirements of the standard

SP Swedish National Testing and Research Institute
Energy Technology - Building Physics and Indoor Environment



Hans Brölin
Technical Manager



Roger Davidsson
Technical Officer

Appendices

- 1 Determination of resistance to water penetration
- 2 Pressure-deformation curves
- 3 Photo of the test object