

# Minneapolis BlowerDoor FireProtection

The BlowerDoor FireProtection software and the Minneapolis BlowerDoor measuring system are used to determine the holding time of extinguishing gases. The standards ISO 14520:2015 and ISO 14520:2006, EN 15004:2019 and EN 15004:2008 as well as the guidelines VdS 2380:2019-03, VdS 2381:2016-06 and VdS 3877:2023-08 are applied.

Fire protection is an increasingly important field of application for BlowerDoor measurement. As a rule, server rooms are measured in which fire is smothered by special extinguishing gases in the event of a fire. The prerequisite is an airtight room envelope.



## Minneapolis BlowerDoor FireProtection

The basis of the measurement procedure is the Door Fan Test. With a BlowerDoor measurement system, the leakage location at constant pressure and the Door Fan Test are first performed with the TECTITE Express or TECLOG software. The measurement data as well as the data of the subsequent Field Calibration Check are then read into the FireProtection software. The Field Calibration Check is another Door Fan Test with a defined additional leakage, which documents the correct setup and the proper function of the measuring system. Specific data such as the room height or the type of extinguishing gas used are entered directly into the FireProtection program. Based on the available data, the software calculates the holding time of the selected extinguishing gas.



### New features

The new FireProtection upgrade is offered multilingually in German, English, and French. The determination of extinguishing gas holding times is optionally performed according to the standards ISO 14520:2015 and ISO 14520:2006, EN 15004:2019 and EN 15004:2008 as well as the guidelines VdS 2380:2019-03, VdS 2381:2016-06 and VdS 3877:2023-08. With the free program you work cloudbased on demand on multiple computers and with multiple employees of a team or a group of companies.

The new pricing structure adapts to customer requirements with the charging of one token per project and is easy to calculate. In addition, every new customer receives a free sample measurement and can thus familiarize themselves with the free and intuitively operable program. The detailed test report can be almost completely individualized and adapted to the company's corporate design. Further features are, for example, the integration of calibration certificates into the test report as well as an extensive data and user administration for the needs-based mapping of company-specific workflows.



## Main functions

- Determination of extinguishing gas holding times according to ISO 14520:2015 and ISO 14520:2006, EN 15004:2019 and EN 15004:2008 as well as VdS 2380:2019-03, VdS 2381:2016-06 and VdS 3877:2023-08
- Multilingual program (German, English, French)
- Cloud-based data management and storage
- Unlimited number of installations on different workstations
- Individual configuration of report templates in .docx and .pdf file formats
- Calculated and graphical display of measurement results in the test report
- Optimized program interface with intuitive operation
- Input of any number of measuring devices and the associated calibration certificates
- Demand-oriented pricing by charging one token per project
- Account and subscription management online

## System requirements

- Minneapolis BlowerDoor measurement system with DG-1000 or DG-700, software TECTITE Express 5.1 or 4.1 or TECLOG 4 or TECLOG 3
- Required accessories: BlowerDoor panel with 2 openings, field check ring, 4 sealing plugs, 6 indicating labels, 10 timber wedges, 2 capillary tubes of 40 cm length each, 2 tubes 10 m length each, 2 velcro straps
- Microsoft Windows 10, 8, 7
- RAM:  $\geq 1$  GB (2 GB recommended)
- Hard drive space:  $\geq 500$  MB
- Reports:
  - DOCX Format: Compatible with Microsoft Word 2010, OpenOffice 3.3 and newer, LibreOffice 3 and newer
  - PDF Format: Microsoft Word 2010 and newer
  - Customization of user templates requires Microsoft Word 2010 and newer

Scope of delivery and prices: [blowerdoor-unlimited.com](http://blowerdoor-unlimited.com)

## Measurement technology

The use of the FireProtection software requires knowledge of the standards or guidelines used. The measurement requires the use of a Minneapolis BlowerDoor measurement system with field check aperture and accessories as well as a laptop.

