

# Fire barriers and smoke control shutters

## Durability of self-closing – smoke control – data backup technology

### Testing – Consulting – Supervision – Expert Opinion

- Fire barriers and smoke control shutters in accordance with EN 16034
- Performance of fire resistance tests of doors, gates, safety curtains, windows, and hatches in accordance with EN 1634-1 and DIN 4102-5
- Testing of smoke control shutters in accordance with EN 1634-3 and DIN 18 095
- Small-scale fire tests in accordance with EN 1634-2 for elements of building hardware
- Performance of fire resistance tests of fire barriers for trackbound transportation systems in accordance with EN 1366-7 and DIN 4102-5
- Testing of related shutters for their durability of self-closing in accordance with EN 1191, EN 12604 and DIN 4102-18
- Consulting for the purpose of CE marking of fire barriers and smoke control shutters
- EXAP reports in accordance with the EN 15269 series
- Classification reports in accordance with EN 13501-2
- Windows and external doors in accordance with EN 14351-1
- Assistance, preparation and coordination of product-specific testing programmes for obtaining national technical approvals
- Expert opinions for national technical approvals, VKF, etc.
- Preparation of general appraisal certificates for smoke control shutters
- Performance of third-party supervision
- Cooperation with certification bodies



### In the field of data backup technology

- Fire resistance tests for:
  - Data cabinets/rooms in accordance with EN 1047
  - Light storage units for fire protection in accordance with EN 15659
  - Laboratory and safety storage cabinets for gas cylinders in accordance with EN 14470

The test results of MPA Braunschweig are approved by the ECB•S and VdS certification bodies.

### Testing facilities

- Vertical furnaces measuring (w x h), e.g.:  
9.7 x 5.0 m | 8.0 x 3.0 m | 5.5 x 5.25 m  
4.0 x 4.0 m | 3.0 x 3.0 m | 0.7 x 1.1m
- Test chambers for smoke control:  
5.5 x 5.4 m | 3.42 x 3.42 m
- Facilities for testing the durability of self-closing:  
20 test stations ≤ 5.5 x 5.4 m
- Special test stations, e.g. for gates, curtains ≤ 30 x 9 m



### Your contact persons

- Fire barriers and smoke control shutters | Dipl.-Ing. A. Conrad | a.conrad@ibmb.tu-bs.de | Tel. +49 531 391-8247  
| Dipl.-Ing. C. Pleines | c.pleines@ibmb.tu-bs.de | Tel. +49 531 391-8223
- Data backup technology | Dipl.-Ing. H. Aeissen | h.aeissen@ibmb.tu-bs.de | Tel. +49 531 391-5476

Status: 08/2018

