



Building acoustics

- Sound insulation

Special tests

- Ball impact safety
- Smoke protection
- Pressure wave inhibition
- Combined pressure and temperature scenarios
- Hurricane test
- Blast inhibition
- Icing simulation

Recognitions

PfB is recognised as an accredited and notified testing, inspection and certification body for a wide range of tests.

- Notified Body No. 1644
- Recognised testing body according to LBO BAY 33
- DAkkS German Accreditation Body
- RAL Quality Association for Interior Doors made of Wood and Wood Materials e.V.
- RAL Quality Association Plastic Window Profile Systems e.V.
- VKF Association of Cantonal Fire Insurers

DMT - Fire Protection

Fire protection in rail vehicles

All products which are (to be) used in a rail vehicle and which have a possible fire potential must, as a rule, fulfil fire protection requirements (DIN EN 45545) in order to provide adequate protection for passengers and personnel and to enable effective evacuation and rescue in emergency situations. The technical test certificate is used to prepare classification reports in accordance with DIN EN 13501-2 and also as proof of usability throughout Europe.

Fire protection in shipbuilding

DMT carries out tests of materials and components for use on ships and yachts in the Dortmund and Lathen fire test facilities in accordance with Resolution MSC.307(88) „International Code for Application of Fire Test Procedures, 2010“ (2010 FTP Code) of the International Maritime Organization IMO.



DMT + PfB

With DMT's 51 percent shareholding in PfB, the two companies DMT and PfB are deepening their longstanding cooperation in the testing and certification of construction elements.

The joint focus is on shaping our inspection processing in line with the needs of our customers. Flexibility in response to changing requirements and constant dialogue with the customer are a matter of course.

Together with other services from the TÜV NORD GROUP, we are a strong partner at your side!

DMT GmbH & Co. KG is a testing laboratory accredited by DAkkS according to DIN EN ISO/IEC 17025. The accreditation is only valid for the scope of accreditation listed in the annex D-PL-11035-03-00.

PfB GmbH & Co. Prüfzentrum für Bauelemente KG is a testing laboratory accredited by DAkkS according to DIN EN ISO/IEC 17025 and a product certification body accredited according to DIN EN ISO/IEC 17065. The accreditation is only valid for the scope of accreditation listed in the document annexes D-PL-17012-01-00 and D-ZE-17012-01-00.

The notifications of the two companies are valid for the scope specified in each case.



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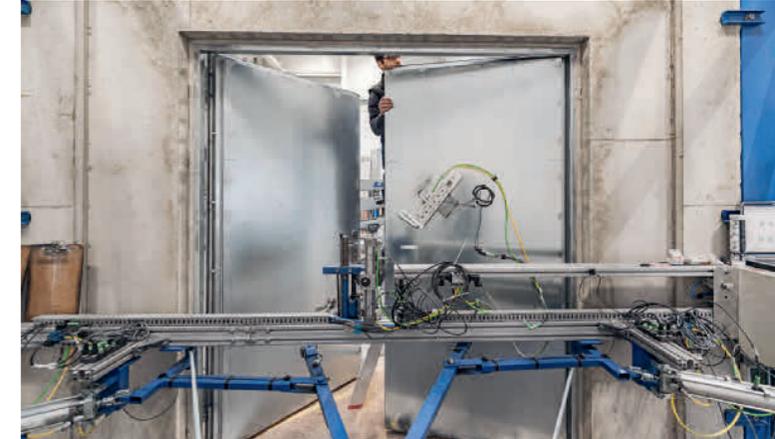


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Unternehmen der **TUVNORDGROUP**



DMT and PfB - Your Partner for Product Testing

Our expertise for your safety

DMT GmbH & Co. KG
PfB GmbH & Co. Prüfzentrum für Bauelemente KG

Engineering
Performance

TUVNORDGROUP



DMT - Fire Testing

DMT has been designated by the European Commission as a neutral and independent testing laboratory for certain test methods with the Notified Body number 2509. Various fire protection product tests are carried out in the DMT test laboratories for fire protection in Dortmund (building materials, components) and in Lathen (components, doors, gates, facades). DMT is certified according to DIN EN ISO 9001 and its testing body for fire protection is an accredited testing laboratory according to DIN EN ISO/IEC 17025.

Fire behaviour of building materials, building components, walls, ceilings and roofs

In Germany, the requirements for the fire behaviour of building products are specified by the building regulations (LBO) of the federal states and the associated technical building regulations as well as the national and European standards, such as DIN 4102-1, DIN 4102-7, DIN 4102-12, EN 13501-1, DIN CEN/TS 1187 etc.

Components vertical fire tests, smoke tests and functional tests

The DMT test centre in Lathen currently has a total of three vertical furnaces with a clear opening of up to 6.4 m x 5.3 m, a smoke test stand with a clear opening of 5.0 m x 5.0 m, as well as a separate hall for continuous function tests on a hall area of 2500 m².

The test certificates serve as the basis for the application for a general building authority approval (AbZ) at the German Institute for Building Technology DIBt Berlin) as well as the fire protection certificates at the VKF Switzerland.

In the European procedure according to the product standard DIN EN 16034, the test certificates are the basis for the preparation of classification reports according to DIN EN 13501 2, of EXAP reports for the extended area of application as well as of usability certificates for the whole of Europe.

The procedures EN 1366 7, EN 1634 1, EN 1634 3, EN 1364 1, EN 1364 3 and EN 1364 4 are horizontally notified under the Construction Products Regulation. Tests according to these procedures can be used in the course of placing construction products on the market according to harmonised technical specifications under the Construction Products Regulation (EU CPR, EU 305/2011 „CPR“) with the CE marking.



PfB Test Centre for Building Components

PfB is a leading centre of excellence for testing building elements such as doors, gates, windows, facades, grilles, roller shutters and fittings.

In addition to tests in the areas of safety, climate / weather, energy and serviceability, the PfB team is happy to take on the challenges of developing individual test stands and test procedures for special tests. PfB is recognised as an accredited and notified testing, monitoring and certification body.

PfB benefits from the expertise of its long standing employees. In the large scale test halls with over 3000 m², optimised test benches are available for the listed test portfolio. For large construction elements, among others, there is a facade test stand with 6.0 m x 8.0 m, two test stands for smoke up to 6.0 m x 9.0 m, test benches for the verification of air permeability, driving rain resistance and wind load resistance, also up to 6.0 m x 9.0 m available. All test areas are equipped with gantry cranes and can be accessed by forklift trucks. In addition to the testing facilities, PfBcert also carries out inspections and certifications.

Testing portfolio

PfB can provide its customers with a full range of services for testing of building components and is constantly expanding its accredited areas..

Safety

- Fall protection
- Break out resistance
- Bullet resistance
- Break through resistance
- Fall through protection
- Burglar resistance
- Release capability
- Impact resistance
- Load bearing capacity of security devices

Climate / Weather

- Differential climate properties
- Damp & splash water resistance
- Flood resistance
- Corrosion resistance
- Artificial weathering
- Air permeability
- Material testing
- Water tightness
- Snow load
- Condensation simulation
- Temperature resistance
- Heat transfer, U value
- Alternating climate
- Resistance to wind load

Serviceability

- Operating forces
- Permanent function
- Durability
- Dead & horizontal loads
- Mechanical strength
- Safety in use