



The Company



The Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH) was founded in Dresden on 30 September 1992 and is a subsidiary company of the Institut fuer Holztechnologie Dresden gemeinnuetzige GmbH (IHD).

The quality of the test and certification services provided by EPH is controlled by accredited management systems according to DIN EN ISO/IEC 17021 (for quality, energy and environmental management systems), DIN EN ISO/IEC 17025 (for test laboratories) and DIN EN ISO/IEC 17065 (for product certification bodies).

Apart from its headquarter in Dresden, the EPH maintains a branch operation in Detmold (NIMM-EPH), whose focus is on furniture testing. The branch operation is accredited by the Deutsche Akkreditierungsstelle (DAkkS) according to DIN EN ISO/IEC 17025 for a multitude of standards for furniture, material and surface testing and recognised by the ZLS as an authorised body to perform GS "Geprüfte Sicherheit" (Tested Safety/GS) prototype tests.

The EPH provides its services worldwide through a global network. For that purpose, the EPH collaborates with representatives and partner laboratories in Germany, Europe, Asia and the Americas.

The EPH is a service provider, rendering services as an accredited test laboratory and as a certification body for management systems and products, including surveillance, to a wide range of clients, but with a focus on those from the woodworking and plastics industry and craft.

The test reports and certificates issued by the EPH as an independent third party are recognised worldwide as proof of performance of materials and products.

Our services are a valuable contribution to the improvement of product safety and quality, of usability and health protection.

Our expertise and professional competence in testing, surveillance and certification rests on the technological knowledge base of our parent company, as well as on the flexibility and commitment of our staff.

We develop our know-how in an anticipatory way in order to be always able to serve all partners with a customer-friendly and future-oriented performance profile. Therefore, many of our employees participate actively in DIN, EN and ISO standardisation committees for different types of products (e.g. for flooring, windows, wood-based materials).

Moreover, the EPH distributes test devices such as VOC and formaldehyde test chambers as well as surface testing devices which are often based on developments in test methodological research projects from its parent company, the IHD. Accompanying the



distribution of devices, individual training packages, also on-site in the companies, are offered.

Our range of services also includes company-specific training programs for staff from product management and quality control, regarding test engineering and normative issues combined with internships in our laboratories.

Get more detailed information about our wide scope of services at www.eph-dresden.com and contact us – we are looking forward to cooperate with you!

Sincerely

Dr.-Ing. Rico Emmler
Managing Director EPH

Our Global Network



Jelena Lukina

Latvia, Russia
jelena.lukina@eph-dresden.com



Toms Pluksis

Estonia, Latvia, Lithuania, Russia, Belarus
toms.pluksis@eph-dresden.com



Diego Andrés Aguilar Soto

Chile, Ecuador, Argentina, Venezuela
diego.aguilars@eph-dresden.com



Wu Shengfu

China
shengfu.wu@eph-dresden.com



Muhammad Ismanizam Ithnain

Malaysia, Thailand, Indonesia
ismanizam.ithnain@eph-dresden.com



PhD.

David Zavala Zavala

Mexico
david.zavala@eph-dresden.com



Prof.

Ricardo Jorge Klitzke

Brazil
ricardo.klitzke@eph-dresden.com



Tatiana Kolganova

Russia
tatiana.kolganova@eph-dresden.com

Management



Dr.-Ing.

Rico Emmler

+49 351 4662 268 · +49 162 2696 337
rico.emmler@eph-dresden.de

Managing Director EPH



Dr. rer. silv.

Wolfram Scheiding

+49 351 4662 280 · +49 162 2696 332
wolfram.scheiding@eph-dresden.de

Deputy Manager



Dipl.-Ing.

Martina Broege

+49 351 4662 340 · +49 172 2019 874
martina.broege@eph-dresden.de

Deputy Manager



Dipl.-Ing.

Heiko Hofmann

+49 351 4662 5103
heiko.hofmann@eph-dresden.de

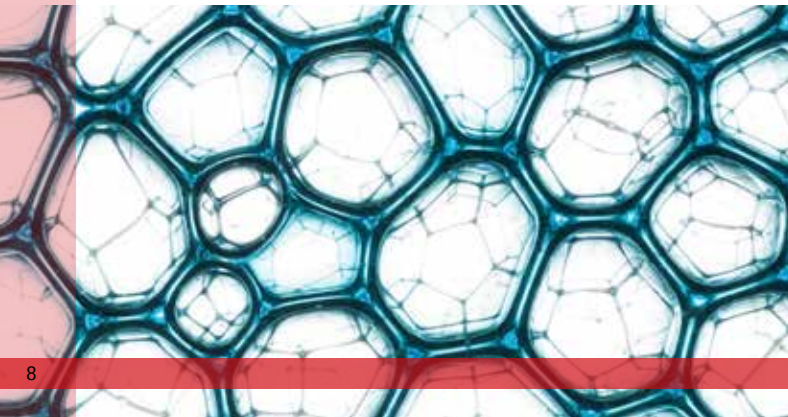
QMS/EMS





BIOLOGICAL TESTING

- Efficacy of preservatives and other biocides
- Durability of wood and wood-based materials
- Resistance of materials against microorganisms
- Microbial load of material and air samples
- Diagnostics of microorganisms



Contact partners



Dr. rer. silv.
Wolfram Scheiding
+49 351 4662 280 · +49 162 2696 332
wolfram.scheiding@eph-dresden.de



Head of laboratory unit
Building biology

Dipl.-Ing.
Kordula Jacobs
+49 351 4662 208
kordula.jacobs@eph-dresden.de



Deputy head of laboratory unit · Durability · Effectiveness of preservatives · DNA diagnostics

Dipl.-Biol.
Katharina Plaschkies
+49 351 4662 334
katharina.plaschkies@eph-dresden.de



Material durability · Effectiveness of biocides · Air-born germ sampling · Outdoor testing

Dipl.-Ing. Sc.
Natalie Rangno
+49 351 4662 242
natalie.rangno@eph-dresden.de



DNA diagnostics · DNA array technology

Prof.
Bjoern Weiß
+49 351 4662 270
bjoern.weiss@eph-dresden.de



Wood preservation · Microscopy/Identification of fungi





CHEMICAL TESTING

- Formaldehyde testing
- Determination of volatile organic compounds (VOC, SVOC)
- Determination of ingredients contained in products (heavy metals, plasticisers)
- Characterisation of bonding agents and adhesive analytics
- Analysis of wood preservatives



Contact partners



Dipl.-Ing.
Martina Broege
+49 351 4662 340 · +49 172 2019 874
martina.broege@eph-dresden.de



Head of laboratory unit
Emission testing

Prof. Dr. rer. nat. habil.
Mario Beyer
+49 351 4662 347 · +49 174 3066 595
mario.beyer@eph-dresden.de



Deputy head of laboratory unit · Analytics

Dr. rer. nat.
Christiane Swaboda
+49 351 4662 261
christiane.swaboda@eph-dresden.de



VOC content determination · Heavy metals

Dipl.-Chem.
Christiane Osthair
+49 351 4662 508 · +49 162 4140 545
christiane.osthair@eph-dresden.de



Surveillance of Formaldehyde/CARB/E1/EPA

Dipl.-Ing. (FH)
Soeren Hahn
+49 351 4662 247
soeren.hahn@eph-dresden.de



Formaldehyde testing

Dr. rer. nat.
Almut Wiltner
+49 351 4662 274
almut.wiltner@eph-dresden.de



Bonding agent characterisation · Adhesive analytics

Dr. rer. nat.
Martin Fischer
+49 351 4662 249
martin.fischer@eph-dresden.de



Analysis of wood preservatives



MATERIAL-/PRODUCT TESTING

- Mechanical physical, static and dynamic tests
- Usability testing of windows/doors/facades
- Structural and physical tests (acoustic, thermal and moisture protection)
- Adhesive and bonding testing



Contact partners



Dipl.-Ing.
Jens Gecks
+49 351 4662 243
jens.gecks@eph-dresden.de



Head of laboratory unit

Material testing · Mechanical and physical tests

Dipl.-Ing. (FH)
Lars Bluethgen
+49 351 4662 295 · +49 172 2019 836
lars.bluethgen@eph-dresden.de



Deputy head of laboratory unit · Facade elements

Lutz Neugebauer
+49 351 4662 302
lutz.neugebauer@eph-dresden.de



Usability of windows/doors

Dipl.-Phys.
Heiko Kuehne
+49 351 4662 259
heiko.kuehne@eph-dresden.de



Acoustic · Dynamic testing

Dipl.-Ing.
Ellen Faust
+49 351 4662 251
ellen.faust@eph-dresden.de



Material testing · Adhesives

Dipl.-Ing. (FH)
Ute Bogatzki
+49 351 4662 273
ute.bogatzki@eph-dresden.de



Thermal conductivity testing

Dipl.-Ing.
Heiko Hofmann
+49 351 4662 5103
heiko.hofmann@eph-dresden.de



Thermal insulation · Quality Management

Dipl.-Ing.
André Zaenker
+49 351 4662 404
andre.zaenker@eph-dresden.de



Windows · Burglary resistance



SURFACE TESTING

- Surface durability
- Dimensional stability of floorings
- Surface properties of lacquers and wall paints
- Environmental simulation
- Electrostatic behaviour
- Reaction to fire



Contact partners



Dipl.-Ing.
Andreas Moeschner
+49 351 4662 407
andreas.moeschner@eph-dresden.de



Head of laboratory unit
Flooring · Fire testing

Dipl.-Ing. (BA)
Robert Piatkowiak
+49 351 4662 391
robert.piatkowiak@eph-dresden.de



Deputy head of laboratory unit · Fire testing

Dipl.-Ing.
Michael Peter
+49 351 4662 360
michael.peter@eph-dresden.de



Surface durability · Flooring

Dipl.-Ing.
Simone Wenk
+49 351 4662 227
simone.wenk@eph-dresden.de



Properties of lacquers and coatings · Environmental simulation

Peter Pautzsch
+49 351 4662 288
peter.pautzsch@eph-dresden.de



Dimensional stability of flooring · Electrostatics



TESTING FURNITURE AND VEHICLE SEATS

- Mechanical tests of furniture and vehicle seats
- Durability and comfort of foam materials, upholstery, mattresses and seats
- Type testing
- Development-supporting GS



Contact partners



Dipl.-Ing.
Albrecht Luehmann
+49 351 4662 398
albrecht.luehmann@eph-dresden.de



Head of laboratory unit
Furniture testing · Vehicle seats

Sven Knothe
+49 351 4662 383
sven.knothe@eph-dresden.de



Foam materials/upholstery/mattresses





NIMM-EPH DETMOLD

- Furniture and material testing
- Mechanical and physical testing
- Conduction of GS type examination
- Surface testing
- CARB/EPA/IKEA audits

Contact partner



Juergen Korf

NIMM-EPH Detmold
Klingenbergstraße 2
32758 Detmold
+49 351 4662 482 · +49 162 2698 168
juergen.korf@epH-dresden.de



Head of laboratory unit

The NIMM-EPH, domiciled at the College for Wood Technology of the Felix-Fechenbach-Berufskolleg Detmold, can refer on twenty years of experience as test laboratory for furniture and material. Thanks to close cooperation with the EPH laboratories for surface, biological, chemical as well as material- and product testing, a wide range of tests and certifications, coordinated by NIMM-EPH, is provided to the clients and partners. The competence of the test laboratory, located within the centre of the furniture industry and surrounded by numerous famous supply companies, is confirmed by the accreditation by DAkkS according to DIN EN ISO/IEC 17025 and the nomination as GS "Geprüfte Sicherheit" (Tested Safety/GS) type examination laboratory by ZLS.

Beyond the mechanical furniture testing NIMM-EPH is accredited and technically equipped for climate tests and strength tests on wood, wood-based materials, adhesives and bonded joints as well as surface tests.

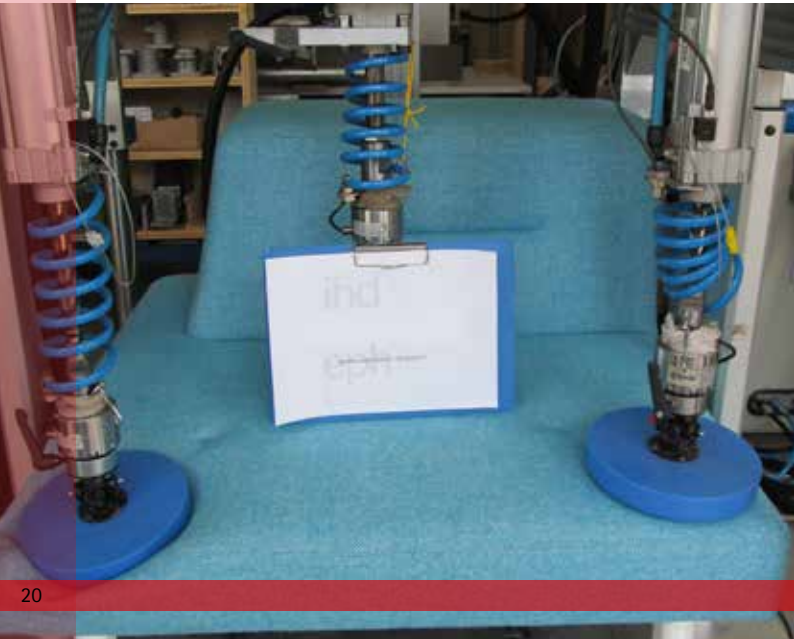
Besides the testing activity from NIMM-EPH Detmold, visits in production sites are set out, be it in course of GS certification or CARB/IKEA surveillance regarding formaldehyde emission. NIMM-EPH also performs Tischler-Schreiner-Maschinen (TSM) courses on "Working safely at woodworking machines"; in connection with the training program of the Felix-Fechenbach-Berufskolleg (FFB) engineering students can attend a practical course "Furniture and Material Testing" at NIMM-EPH.





CERTIFICATION OF PRODUCTS (GS)

- Type examination
- Initial inspection of the production site
- Certification and regular inspection of the production site



Contact partners



Dr.-Ing.
Rico Emmler
+49 351 4662 268 · +49 162 2696 337
rico.emmler@eph-dresden.de



Head of certification body

Kerstin Seibt
+49 351 4662 264
kerstin.seibt@eph-dresden.de



Deputy head

Dipl.-Ing.
Oliver Bumbel
+49 351 4662 387
oliver.bumbel@ihd-dresden.de



Technical Expert

Dipl.-Ing.
Albrecht Luehmann
+49 351 4662 398
albrecht.luehmann@eph-dresden.de



Testing centre

In the consumer's understanding, usability, safety and harmlessness to health are substantial criteria for the quality of products and, of course, of furniture.

By way of the ProdSG "Produktsicherheitsgesetz" (Product Safety Act/ProdSG), the legislator imposes that products must be marketed only if (*provided they are used as to their intended purpose*) they do not threaten the safety and health of people.

Beyond this statutory duty, the German ProdSG provides manufacturers and commercial traders with the opportunity of having certified the safety and harmlessness to health of their products, expressed by the GS mark (Tested Safety).

The EPH is an accredited and recognised body for the testing and certification of furniture pursuant to the ProdSG and for awarding the GS mark.



CERTIFICATION OF CONSTRUCTION PRODUCTS

- Floor coverings/Sport floors
 - acc. to EN 14041
 - acc. to EN 14342
 - acc. to EN 14904

- Wood/Wood-based materials
 - acc. to EN 13986
 - acc. to EN 14374, EN 15497, EN 16351
 - acc. to EN 14080, EN 14081-1

- Windows and Doors
 - acc. to EN 14351-1

- Panelling and Cladding
 - acc. to EN 438-7
 - acc. to EN 14915
 - acc. to EN 15102

- Thermal insulation products
 - acc. to EN 13162 to EN 13171
 - Horizontal accreditation for selected fire tests
 - Horizontal accreditation for VOC emission test acc. to EN 16516

Contact partners



Dr.-Ing.
Rico Emmler
 +49 351 4662 268 · +49 162 2696 337
 rico.emmler@eph-dresden.de



Head of certification body

Floor coverings · Panelling · Cladding

Prof. Dr. rer. nat.
Detlef Krug
 +49 351 4662 342 · +49 162 2696 333
 detlef.krug@eph-dresden.de



Deputy head of certification body · Wood-based materials

Dipl.-Ing.
Matthias Wuenschmann
 +49 351 4662 403
 matthias.wuenschmann@eph-dresden.de



Structural timber · Wood-based materials

Lutz Neugebauer
 +49 351 4662 302
 lutz.neugebauer@eph-dresden.de



Windows · Doors

Dr. rer. silv.
Wolfram Scheiding
 +49 351 4662 280 · +49 162 2696 332
 wolfram.scheiding@eph-dresden.de



Thermal insulation products

Market access for construction products is regulated in the European Union by the Construction Products Regulation (CPR/Bau-
 produktenverordnung (BauPVO)). Beyond that, special national regulations apply, in Germany, for example, the State Building Code (LBO).

The EPH is accredited and notified

on a European level as an "independent third party certification body" acc. to DIN EN ISO/IEC 17065 (Reg. No. 0766) for products and for the Factory Production Control (FPC) and, in addition to that, recognised by the Deutsches Institut für Bau-
 technik (DIBt) as a test, surveillance and certification body according to the LBO (Reg. No. SAC 03) for the German market.



SPECIFIC CERTIFICATIONS OF PRODUCTS

- Recognised as a Testing, Surveillance and Certification Body
 - CARB TPC (California Air Resources Board Third Party Certifier)/ EPA TSCA Title VI
 - TÜV-PROFICERT-product Interior (Testing and Surveillance body)
 - WPC testing and surveillance (Quality Association of Wood-based Materials)
 - DIN CERTCO burglary resistance
 - RAL Quality Assurance Association for Furniture and 3D furniture components
 - FloorScore (Surveillance body)
- EPH Certification Programs
 - Quality Mark TMT
 - E1 DE 2020
 - Requirements profiles for wood flooring and staircase lacquering/
Requirements profiles for exterior paints for wood

Contact partners



Dr.-Ing.
Rico Emmler
+49 351 4662 268 · +49 162 2696 337
rico.emmler@eph-dresden.de



Dipl.-Chem.
Christiane Osthauer
+49 351 4662 508 · +49 162 4140 545
christiane.osthaar@eph-dresden.de



CARB TPC (California Air Resources Board)/EPA TSCA Title VI · E1

Dipl.-Ing.
Jens Gecks
+49 351 4662 243
jens.gecks@eph-dresden.de



WPC testing and surveillance

Dr. rer. silv.
Wolfram Scheiding
+49 351 4662 280 · +49 162 2696 332
wolfram.scheiding@eph-dresden.de



Quality Mark TMT

Dipl.-Ing.
Simone Wenk
+49 351 4662 227
simone.wenk@eph-dresden.de



Requirements profiles

The certification body of the Entwicklungs- und Prüflabor Holztechnologie GmbH is accredited according to DIN EN ISO/IEC 17065 and certifies product properties in line with its own certification programs that pick up on special requirements and desires of the industry and the general public for objective product assessments and implement them in objective and retraceable test and evalua-

tion concepts. These certification programs meet the requirements of DIN EN ISO/IEC 17067 and have been validated and released by the steering committee of the EPH.

Moreover, the EPH is a recognised testing, surveillance and certification body for numerous national and international rating and quality associations, authorities and organisations.



CERTIFICATION OF MANAGEMENT SYSTEMS

- Quality Management System (QMS)
DIN EN ISO 9001
 - Guarantee of quality of products and services by applying economic organisational structures
 - Improvement of competitiveness
 - Strengthening of clients' trust in stable quality of products and services
- Environmental Management System (EMS) DIN EN ISO 14001
 - Improvement of environmental protection
 - Promotion of image
- Energy Management System
- The Combination of QMS and EMS
- Combination with FEMB Surveillance

Contact partners



Dipl.-Ing.
Heiko Hofmann
+49 351 4662 5103
heiko.hofmann@eph-dresden.de



Head of Certification Body

Contact person for QMS, EMS and FEMB

Dipl.-Ing.
Matthias Wünschmann
+49 351 4662 403
matthias.wuenschmann@eph-dresden.de



Contact person for EnMS

The EPH Certification Body for Management Systems certifies quality, environmental and energy management systems (QMS, EMS and EnMS) acc. to DIN EN ISO 9001, DIN EN ISO 14001 and DIN EN ISO 50001. It works neutrally and confidentially and is surveilled

by an independent steering committee. It has been accredited since 1995 for QM systems, since 2015 for EM systems and since 2018 for EnM systems by Deutsche Akkreditierungsstelle (DAkks). Therefore, its certificates are valid worldwide.







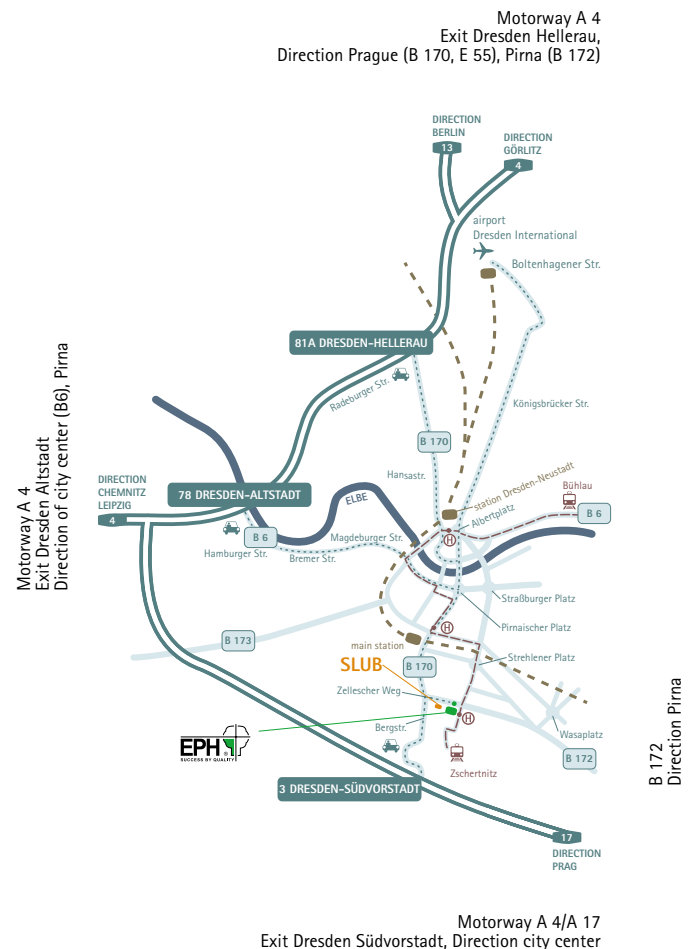


PRODUCT AREAS

- Adhesives
- Coatings, Paints and Lacquers
- Floor Coverings and Underlay Materials
- Furniture and Interior Fitting
- Panelling and Cladding
- Railway and Vehicle Seats
- Terrace and Balcony Decking
- Thermal Insulation Products
- Windows, Doors, Facades
- Wood
- Wood-based Materials
- Wood-Polymer Composites (WPC)

Directions:

-  Dresden International Airport > city rail S2 to Dresden Main Station > tramway 11, towards Zschertnitz, tram stop Zellescher Weg
-  Motorway A 13/A 4, exit Dresden Hellerau > drive south towards Motorway A 4/A 17, exit Dresden Südvorstadt > drive towards the city centre
-  Dresden Main Station/Dresden-Neustadt Station > tramway 11, towards Zschertnitz, tram stop Zellescher Weg
-  Line 61, bus stop "Staats- und Universitätsbibliothek" (state and university library)





Entwicklungs- und Prueflabor Holztechnologie GmbH

Zellescher Weg 24

01217 Dresden, Germany

☎ +49 351 4662 0 📠 +49 351 4662 211

info@eph-dresden.com

www.eph-dresden.com

