

12/24-F07

## Quality and Conformity Marks

- Conformity Mark (CE mark)  
European Notified Body  
Code number: 0766



- EPH Quality Mark "Manufacturing controlled quality proven" with external surveillance according to system 1 and voluntary surveillance



- Surveillance body for TÜV PROFiFiCERT-product Interior Emission and Quality tested



- Surveillance Body for FloorScore certification



## Expertise

The EPH test laboratory is accredited acc. to EN ISO IEC 17025. It is Notified Certification and Testing Body for floorings and sports flooring for CE-confirmation assessment. The EPH is also approved testing body of DIBt for the hygienic assessment of construction products (glues, parquet-coatings) in the frame of a general approval for the use in Germany and for private labels e.g. RAL, M1 and TÜV PROFi-CERT-product Interior.

## Contact persons

Dipl.-Ing.  
**Andreas Möschner**  
+49 351 4662 407  
[andreas.moeschner@eph-dresden.de](mailto:andreas.moeschner@eph-dresden.de)



Head of Laboratory

Dipl.-Ing. (FH)  
**Michael Peter**  
+49 351 4662 360  
[michael.peter@eph-dresden.de](mailto:michael.peter@eph-dresden.de)



Surface testing

Dipl.-Ing.  
**Martina Broege**  
+49 351 4662 340 · +49 172 2019 874  
[martina.broege@eph-dresden.de](mailto:martina.broege@eph-dresden.de)



Emission testing

Dipl.-Ing.  
**Heiko Kühne**  
+49 351 4662 259  
[heiko.kuehne@eph-dresden.de](mailto:heiko.kuehne@eph-dresden.de)



Impact · Walking noise · Underlay materials

Entwicklungs- und Prüflabor Holztechnologie GmbH  
Zellescher Weg 24 · 01217 Dresden · Germany  
+49 351 4662 0  
[info@eph-dresden.de](mailto:info@eph-dresden.de) · [www.eph-dresden.de](http://www.eph-dresden.de)

# Floor Coverings, Sports Flooring and Underlay Materials



Usability testing, testing of characteristics regarding indoor air properties and physical properties of laminate and wooden floors as well as multilayer and resilient floor coverings and their underlay materials

## Usability and environmentally relevant characteristics of flooring and underlay materials

Besides the attractive outward appearance of laminate or wooden flooring, above all their characteristics of usability have to meet the customers' approval to assure their longterm acceptance.

The accredited test laboratory EPH at IHD, offers nearly a complete variety of test methods, especially to all manufacturers and suppliers of floorings. By these tests the physical characteristics, the mechanical usability and the hygienic in home characteristics of the whole products variety can be verified and determined to their respective area of use. We help you as Notified Product Certification Body to lead the conformity proof.



Walking noise test



Determination of microscratch resistance

## Testing of floor coverings and their underlay materials

- Mechanical physical characteristics of used substrates and prefabricated products
  - Peeling test, test of swelling and shrinkage characteristics, hardness, water vapour diffusion, moisture absorption, thermal insulation and other tests
- Usability testing and CE-related testing
  - Laminate floor coverings:**
    - All tests acc. to EN 13329, EN 14978, EN 14041, EN 15468, ISO 4760, ISO 24334-24339, ISO 25620, ISO 14486, ISO 4918, ISO 24339 (also for UPEC)
  - Parquets, veneered floors and other wood floorings:**
    - Carrying out of all common tests to characterise wear resistance like abrasion resistance (all Taber Abraser procedures incl. Falling Sand Test), scratch-, impact-, chemical resistance and for CE-Labeling acc. to EN 14342
  - Resilient and multi layer floor coverings (MMF):**
    - Tests acc. to EN ISO 10581, EN ISO 10582, EN 16511, EN 17539 EN 14041, EN ISO 20326, IHD-W-487 (Hot-Spot)
  - Sports flooring:**
    - Selected tests according to EN 14904 for CE-labeling
- Safety properties
  - Slippery resistance acc. to EN 13893, CEN TS 15676, DIN 51130, EN 16165 and electrostatic behaviour acc. to EN 1081, EN 1815



Hot-Spot-temperature test

- Acoustic properties
  - Walking sound: IHD's Works Standard 431, EPLF Norm Standard 021029-3, EN 16205
  - Impact sound: EN ISO 140-8, EN ISO 717-2 and EN ISO 10140
- Mechanical test on underlay materials
  - All tests acc. to EN 16534, EPLF-, FEP- and MMFA-Guideline
- Reaction to fire
  - Test acc. to EN ISO 9239-1, EN ISO 11925-2, EN ISO 1182, EN ISO 1716
- Practice-oriented tests of usability and durability of floorings
  - Dynamic-mechanical tests of durability of tongue and groove joints and of click-systems
  - Testing of thermal stability after localised heating (Hot-Spot)
- System testing on floor constructions
  - Bending strength under static load acc. to EN 1533
- Determination of the indoor air properties of floor coverings
  - Determination and assessment of emission of floor coverings and other construction products acc. to AgBB scheme, RAL-UZ 38, French, Belgian law, M1-Label, TÜV PROFICERT-product Interior
  - Determination of emission of formaldehyde, VOC/SVOC and odour of materials and interior products
  - Determination of migration of heavy metals acc. to EN 71-3 and of resistance of coatings against saliva and sweat