Testing of flooring surfaces

The customer selects floorings after the appearance and he aspects that this appearance will be preserved as long as possible. You should use the know-how of EPH for the evaluation of properties of flooring surfaces. You can use the extensive range of standard test methods and specific IHD standards.

Testing of the processing properties and adhesion of coatings as well as characteristics of the appearance

- Determination of the adhesion with cross cut and pull off methods
- Determination of colour, gloss and surface structure

Wear resistance

- Determination of abrasion, scratching and impact resistance as well as hardness and elasticity
- Determination of the resistance to cigarette burn, castor chairs and moving of furniture legs
- Determination of the resistance to stainings and pollution

Temperature, climate, light and aging resistance

- Determination of the resistance against water and water vapour
- Determination of the light fastness, determination of the resistance to changing temperatures
- Determination of the resistance to changing climates (crack, colour and gloss stability) as well as dimensional stability at changing and constant climate tests

Indoor air conditions und safety relevant properties

- Determination of the resistance to saliva and sweat and migration behaviour
- Determination of the emission behaviour and the odour of substrates, coatings and panels
- Determination of the electostatic behaviour
- Determination of the slippery resistance with sliding measurement pendulum and ramp devices

Examples for testing and evaluations according to product standards

- EN 13696, EN 1534, EN 1910, ÖNorm 2354, IHD-requirement profile (wood floorings and coatings for stairs)
- EN 14354 (veneered floorings)
- EN ISO 10581-82, ISO 10874, EN 12104, EN 13845, EN 14085 (resilient floorings)
- EN 16511 (MMF-floorings)
- EN 13329, EN 14978, EN 15468, ISO 14486, ISO 24334 – 24339, EN 438 – T5, (laminate floorings)

For the conformity evidence the according to ISO 17025 accredited test laboratory (EPH) issues test certificates with which you can demonstrate the fulfillment of specific quality features or the extern controll of your manufacture.

Contact persons

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

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

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