

## FLOOR SLIP TESTER FOR EASY IN-SITU TESTING

TU Wien has developed a floor slip tester for in-situ testing. The small device is lightweight and easy to carry. It is intuitive to use and to interpret by floorers and tilers. The floor slip tester is therefore especially suited for final building inspection and for the control of wear condition and maintenance requirements of floors in use.

### TECHNOLOGY

State of the art floor slip testers are sophisticated devices, developed to support expert opinions in court cases. In the TU Wien device, sand is poured on the floor through a pipe. The pattern of the scattered sand can be directly interpreted as slip resistance class of the floor. The low cost and easy to handle floor slip tester of TU Wien is an additional asset and can ensure quality control from material development over tile and floor production up to the lifetime of finished floors.

The technology is currently calibrated for dry ceramic floors. The next steps will comprise the calibration of natural stone floors, and the development of the device for wet floors. Here, the challenge will be to find a suitable material for free scattering and not adhering particles.



Figs.: Prototype of the TU Wien floor slip tester with a height of about 20 cm. The pattern of scattered material shows the slip resistance class of the floor.

### APPLICATION FIELDS

TU Wien floor slip tester is especially suited for the quality control of industrial floors, labs, commercial kitchens, hospitals, malls and public spaces.

### BENEFITS

- In-situ quality control in all stages of floor production and use
- Final building inspection, indication of maintenance needs for floors in use
- Easy to use by construction workers, floorers and tilers
- Lightweight and easy to carry
- Very cost efficient device

**REFERENCE:**  
**M080/17**

### APPLICATIONS:

In-situ quality control in all stages of floor construction and use, final building inspection

### DEVELOPMENT STATUS:

Prototype for tiled floors available

### OPTIONS:

License, sale, project cooperation

### KEYWORDS:

Slip tester, in-situ, floor, sliding friction

### IPR:

Patent pending

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